

Central Management System
User Manual

Milesight Technology Co.,Ltd.

Version 1.01

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Chapter 1 Introduction

- **Key Features**
- **System Requirements**

1.1 Introduction

The Milesight Central Management System(hereinafter referred to as CMS) software works to give you access and control of your Milesight High Definition Surveillance System. The Milesight CMS provides multiple operating functionalities, including live view, PTZ control, video playback, motion detection, alarm receiving, log and so on.

This user manual describes the function, configuration and operation steps of CMS. To ensure the proper usage and stability of the CMS, please refer to the contents below and read the manual carefully before operation.

The latest version of the software will be available on our official website. Please check our official website www.milesight.com for upgrading.

1.2 Key Features

- ✧ Support NVR as well as camera
- ✧ Support 1/ 4/ 8/ 9/ 16/ 36/ 64 channels playing synchronously
- ✧ Full screen for single or multiple channels
- ✧ H.265/H.264/MJPEG/MPEG-4 video compression
- ✧ Support dual-stream
- ✧ Support multiple PTZ control protocols
- ✧ Support custom time length for schedule record
- ✧ Motion detection, alarm recording and image capture function
- ✧ Easy to install and use

1.3 System Requirements

OS: Windows XP/7/8/Vista/Server 2000/Server 2008
CPU: 2.4GHZ or faster
Memory: 2G MB or more
Graphic memory: 1G or more
Internet protocol: TCP/IP

Chapter 2 Installation

- Installation Guide
- Log In/Out

2.1 Installation Guide

Run the installation file and install the programs on your computer by following the on-screen instructions. After finishing installation, you will find the programs on the start menu or on the desktop.

Step1: Click the installation file to install;



Figure 2-1-1 Start Setup

Step2: Choose the folder in which to install Milesight CMS;

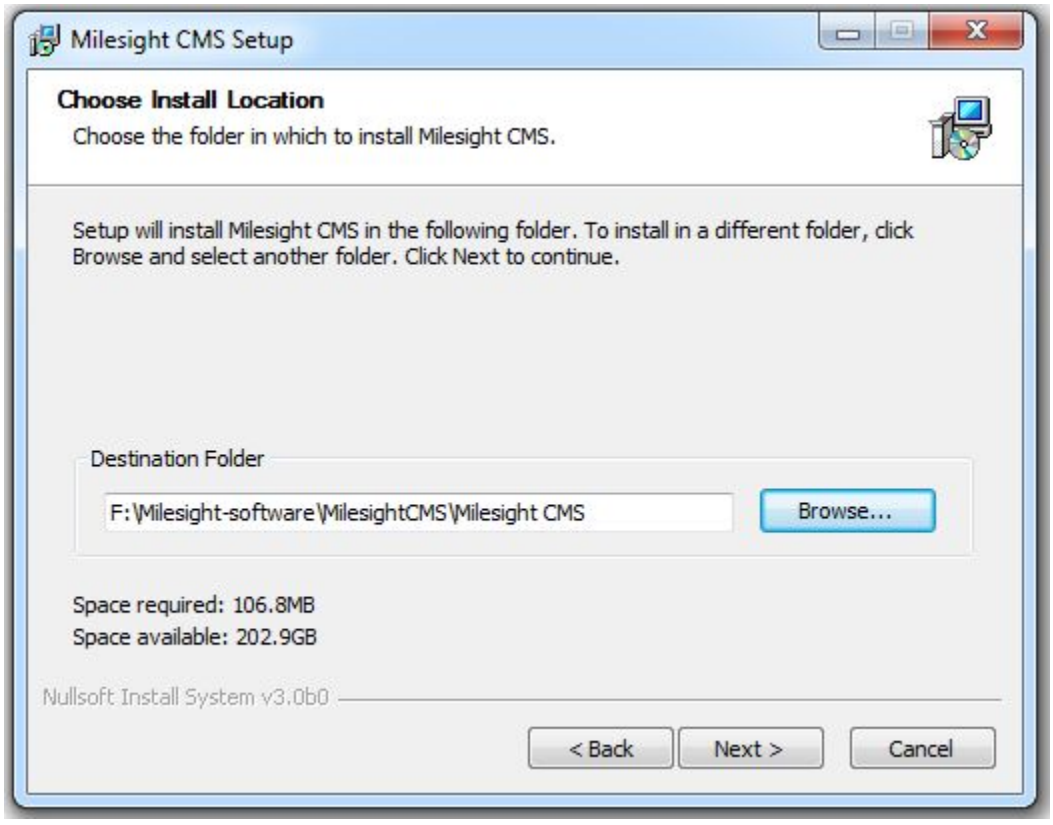


Figure 2-1-2 Choose File Path

Step3: Choose Start Menu Folder for the Milesight CMS;

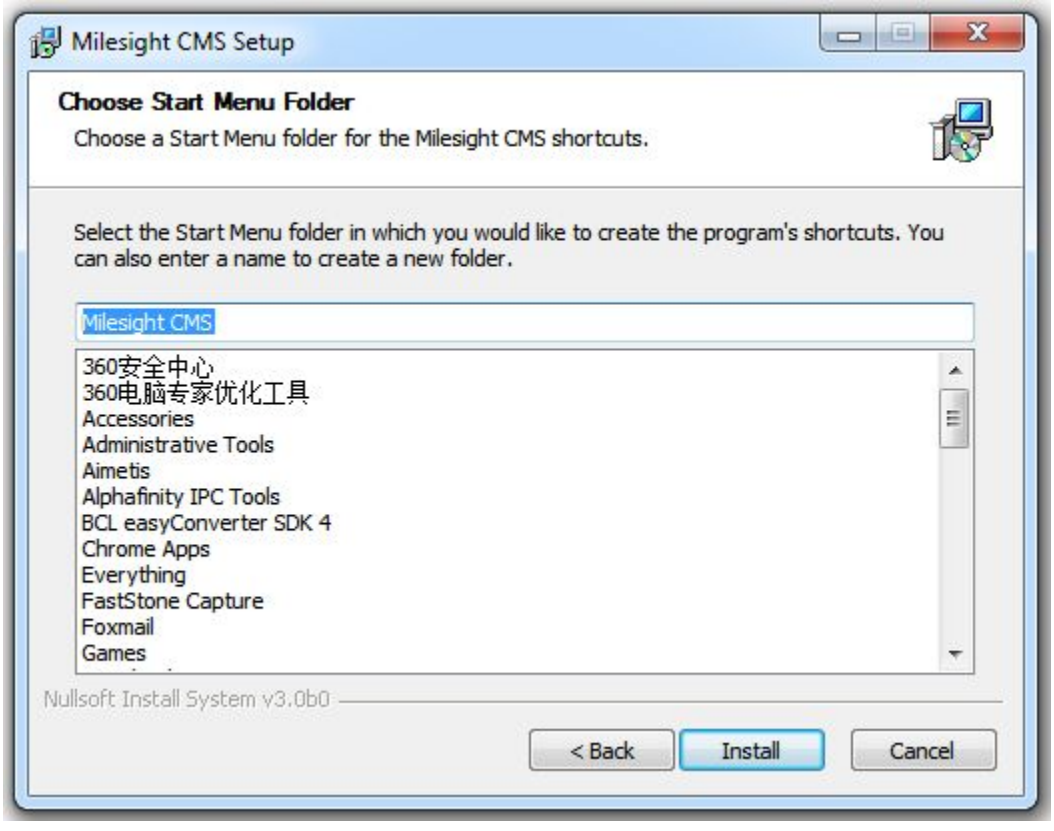


Figure 2-1-3 Choose the Start Menu

Step4: Finish the Setup:

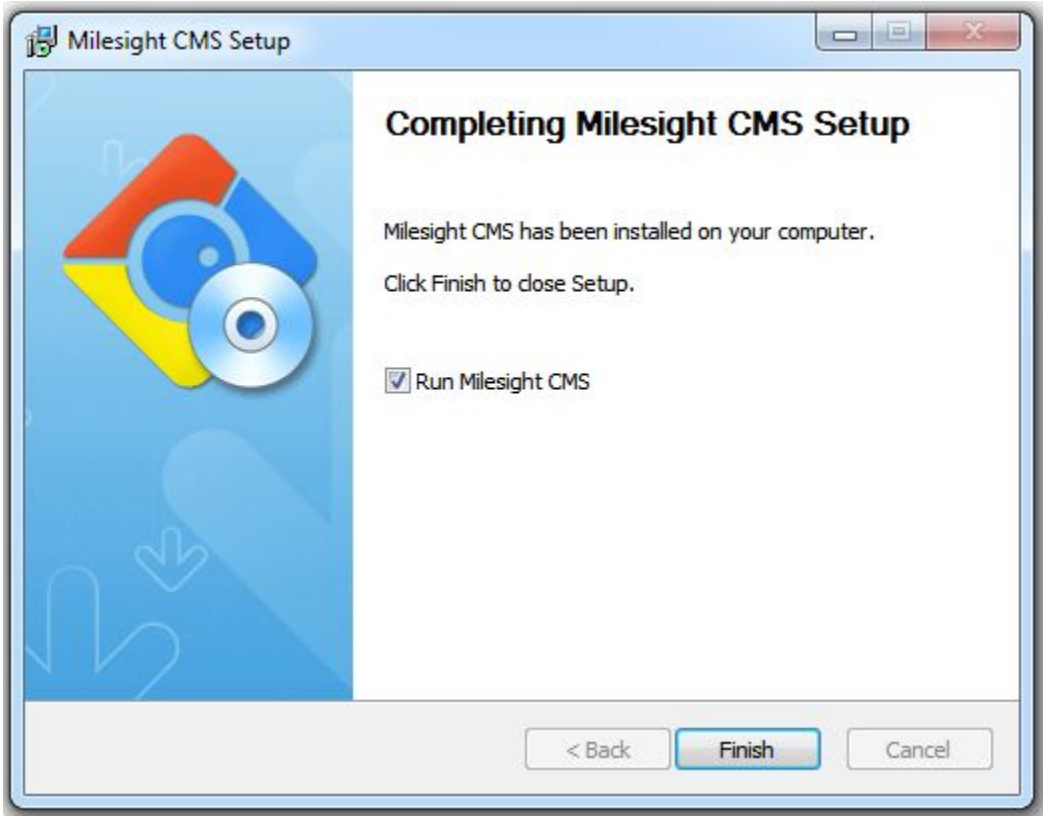


Figure 2-1-4 Finish the Setup

2.2 Log In/Out

2.2.1 Log in

Click the icon to start the software, then choose the user and enter the password, the default account Username is: admin; Password is: password. You can check the checkbox to remember the password.

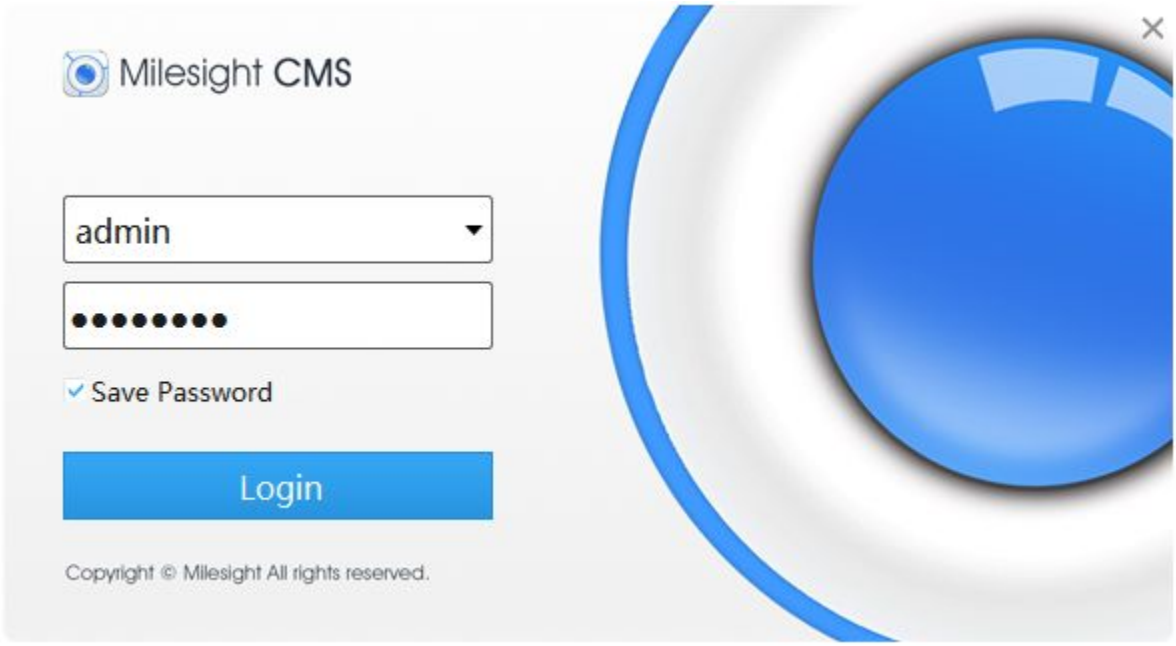


Figure 2-2-1 Log In

After logging in the system, you can see the first page is the Live View page as follows:

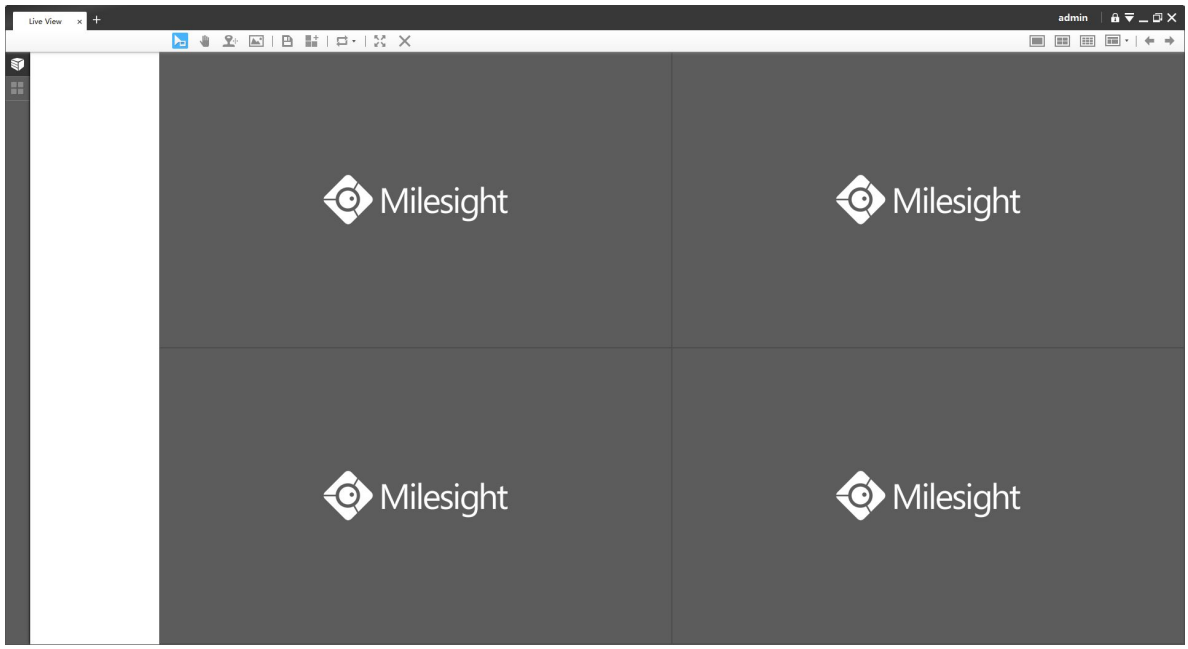


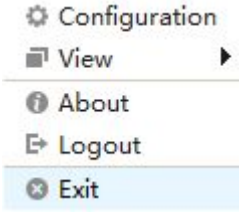
Figure 2-2-2 Live View

And the meanings of the icons on the top-right are as follows:

Table 2-2-1 Live View

Item	Function Introduction
admin	User name
	Click the button to lock the software, and it need to enter the password to unclock
	Menu button
	Minimize the interface
	Restore Down the interface
	Maxmize the interface
	Close the software
	To check the hidden pages when the windows is too small to show all the open pages

Click the Menu button , the interface is as followed:



Configuration	Language , the live view record and snapshot file path setting
View	Adjust the windows to meet your need
About	Information of the CMS
Log out	Log out of the current account
Exit	Close the software

2.2.2 Log out

Click → [Log out] to exit the current account, or click → [Exit] or click Close button to exit the CMS.

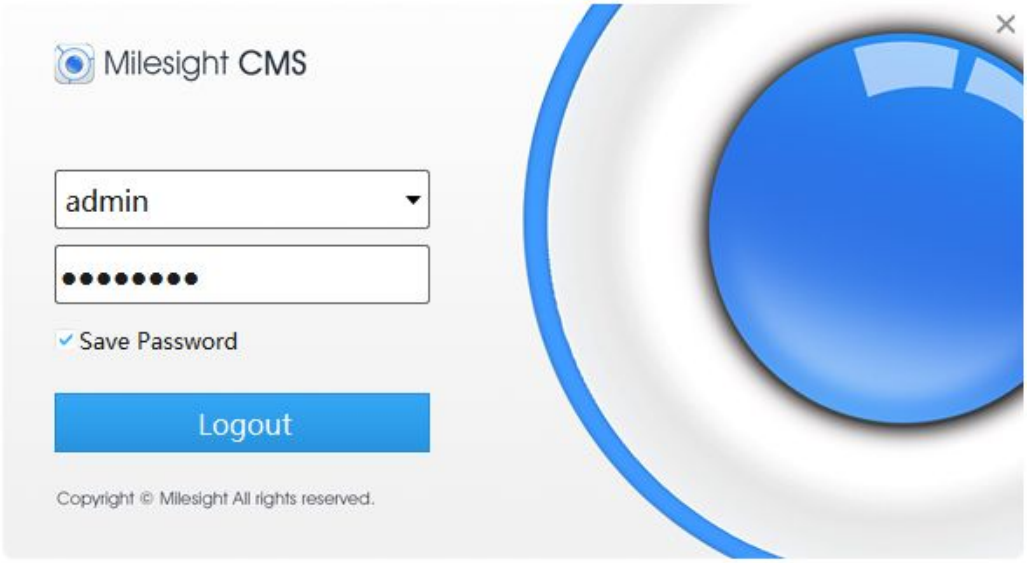


Figure 2-2-3 Log Out

Note

- Password is necessary for logging out.

Chapter 3 Manage

- Device Management
- Device Config
- User

3.1 Device Management

The Milesight CMS supports to add Milesight cameras and NVRs to get an efficient and convenient management. The devices also can be removed or logged out of the CMS at any time.

3.1.1 Adding Devices

There are two measures available for adding devices. First of all, click the Add button [+] →[Device Manage].

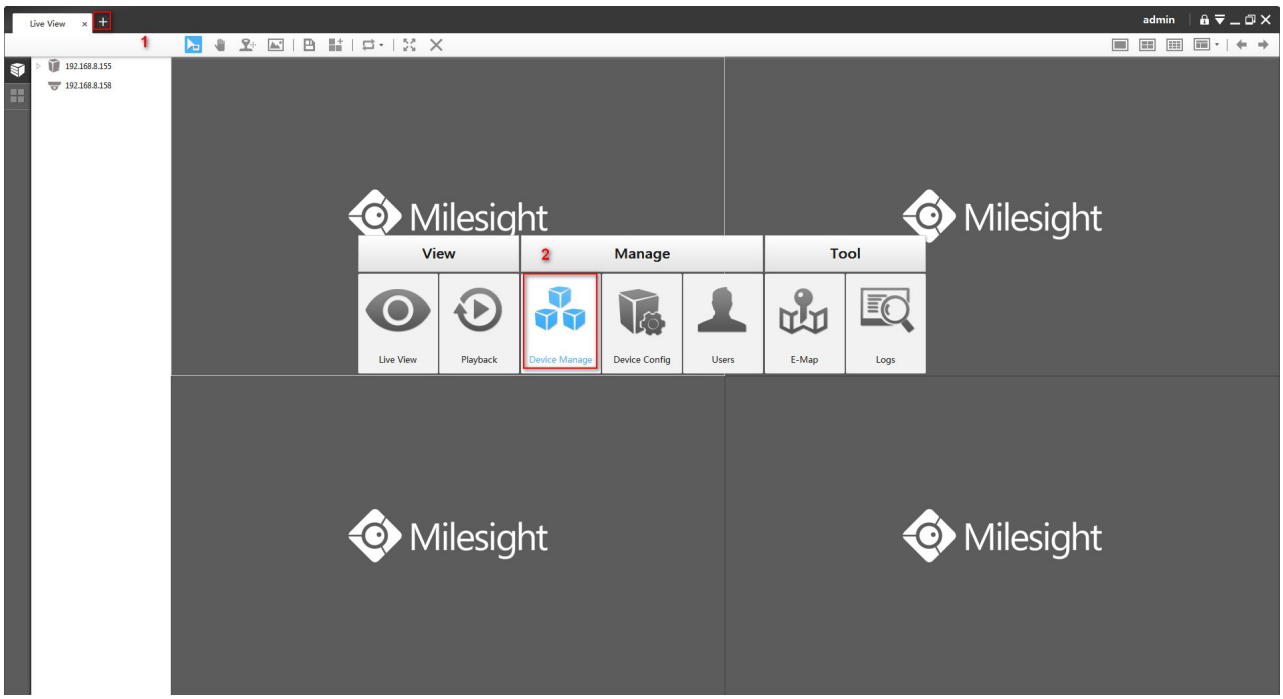


Figure 3-1-1 Adding Device

◆ Add a Single Device

Milesight CMS provides to add device one by one. Please refer to the steps as follows:

Step1: Click the + Add Manually button;

Step2: Select the device type, “NVR” or “Camera”;

Step3: Enter device information;

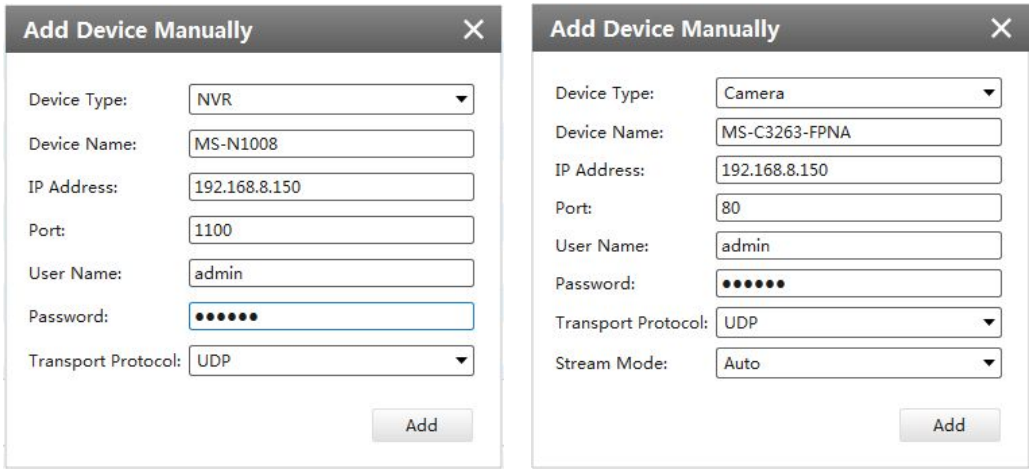


Figure 3-1-2 Add Device Manually

The meanings of the items on the page can be referred to the table 3-1-1.

Table 3-1-1 Add Device Manually

Item	Function Introduction
Device Name	Name of the device
IP Address	The IP address of the device
Port	The port of the device, the default NVR port is 1100 and the Camera's is 80
User Name	The user name of the device, "admin" for the default
Password	Enter the password for the account of the device, the default password is "123456" for NVR while "ms1234" for Camera
Transport Protocol	TCP and UDP are available
Stream Mode	There are three options, "Auto", "Primary Stream" and "Secondary Stream"

Once the device has been added successfully, there will pop up a window as follows:

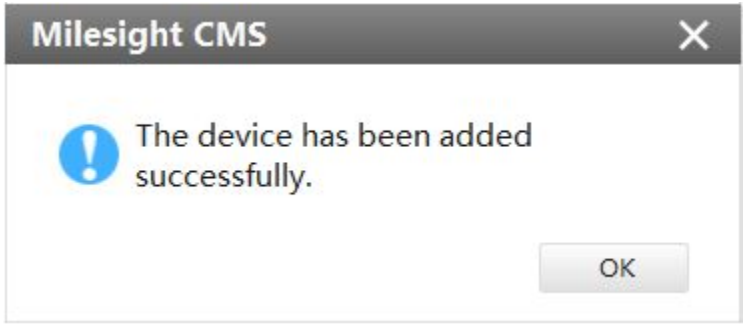


Figure 3-1-3 Add Device Successfully

◆ Search

Milesight CMS Supports to search devices automatically in the same network and add group devices with the same username and password. Please refer to the steps as follows:

Step1: Click the Search button to search the Milesight devices in the same network;

Step2: Select the devices;

Step3: Enter the username and password of the selected devices, "admin" and "password" for the default username and password;

Step4: Click Add button, then there will pop up a windows to remind you whether the devices are added successfully or not.

Step5: Click the [OK] button;

Step6: Click [Refresh] button to refresh the status of the added devices.

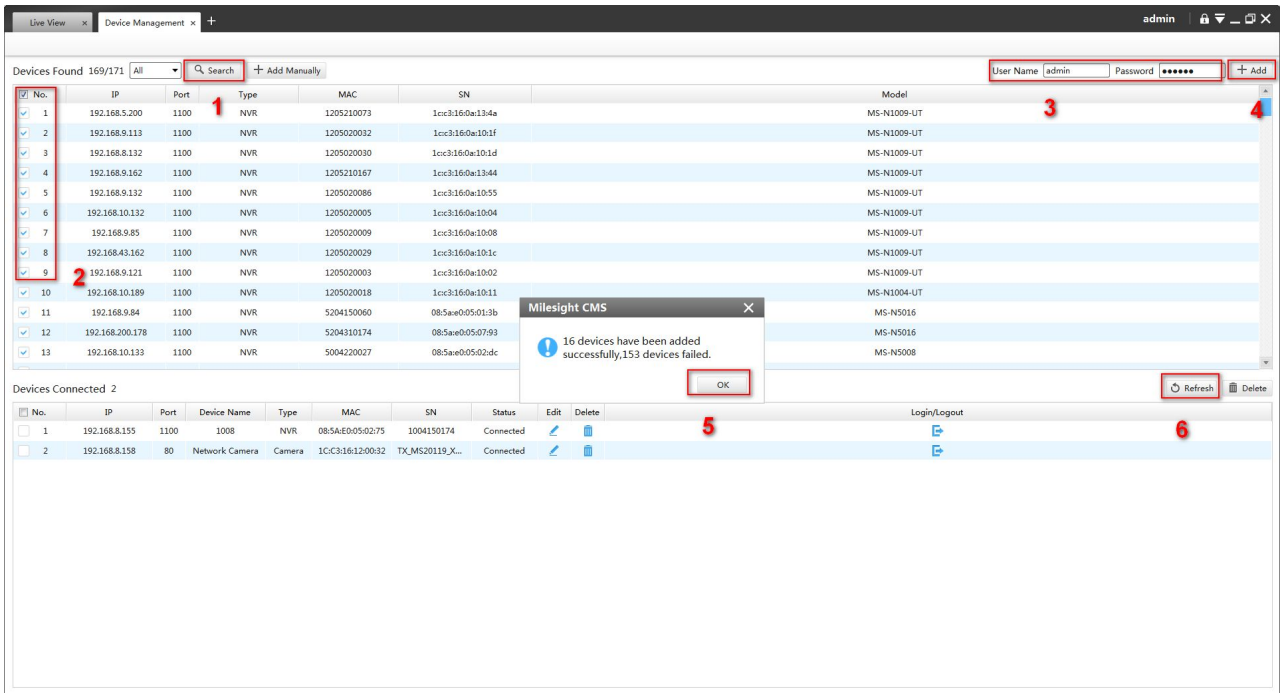


Figure 3-1-4 Add Group Device

Note

- Clicking the Refresh button can help the software to refresh the status of the added devices.
- Click the [No.] button can select all devices which were found;
- The devices found can be ranked by their IP, Port, Type, MAC, SN, Model when you click the corresponding button.
- The default password for Milesight camera is "ms1234" while the one for Milesight NVR is "123456";
- Up to 50 devices can be added;

3.1.2 Remove or Log Out the Device

Milesight CMS provides to remove the added device for group or single. First of all, enter the [Device Manage] page and do the steps as follows:

◆ Remove a Single Device

The steps to remove a Single device are as follows:

Step1: Click the button followed by the selected device;

Step2: Click the [OK] to remove the device or [Cancel] button to cancel the action when the window pops up;

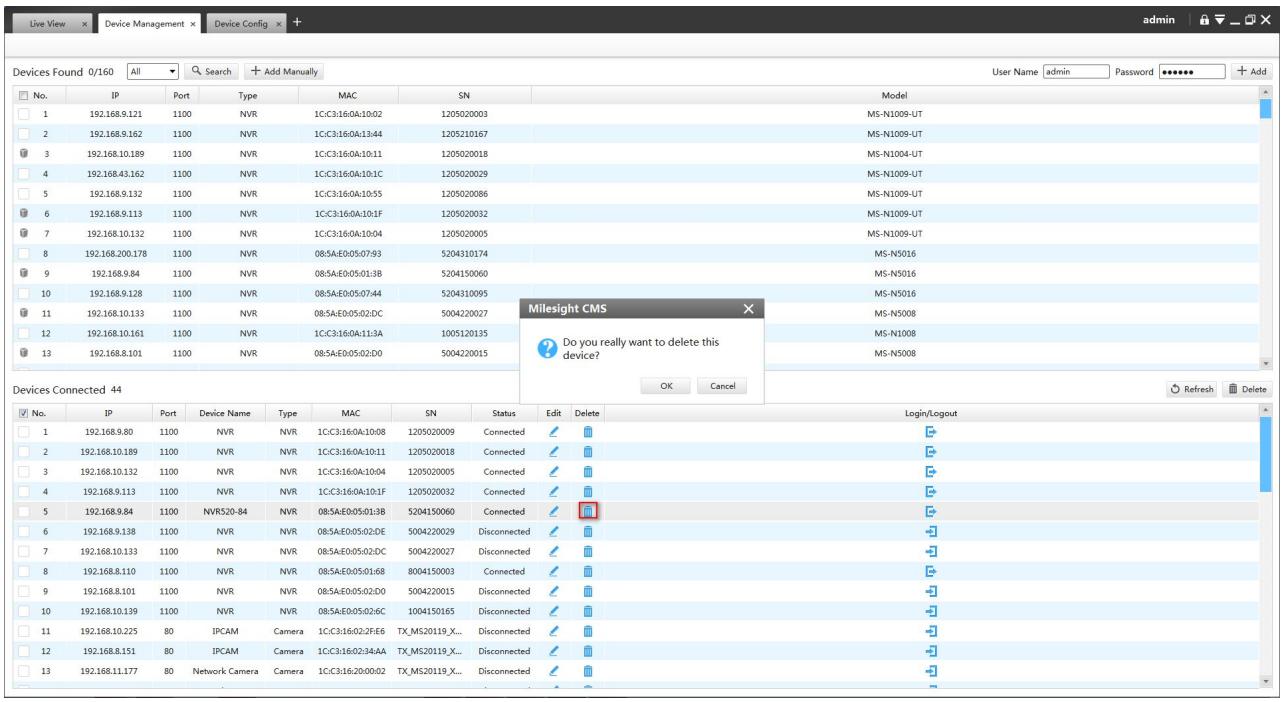


Figure 3-1-5 Removing a single Device

◆ Remove Group Devices

The steps to remove the devices for a group are as follows:

Step1: Click the [No.] button to select all the added devices or check the checkbox to select several devices;

Step2: Click the Delete to remove the selected devices;

Step3: Click the [OK] to remove the devices or [Cancel] button to cancel the action when the window pops up;

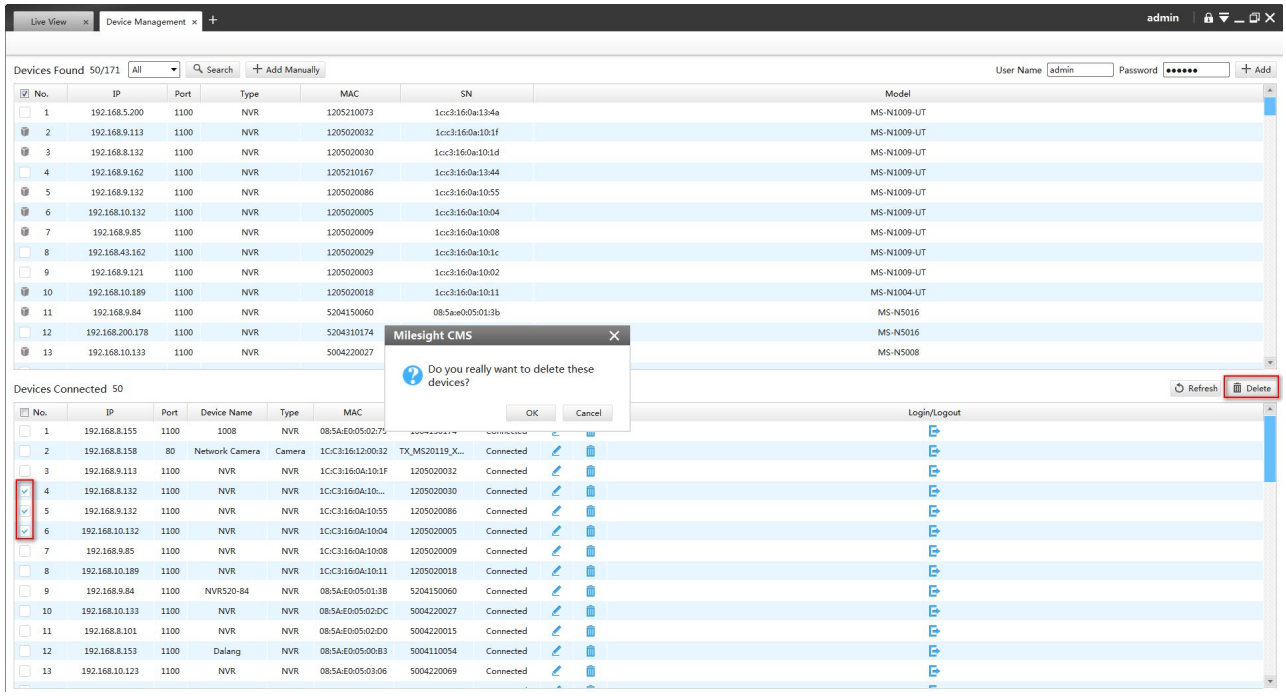


Figure 3-1-6 Remove Group Device

3.1.3 Log Out the Added Device

You can log out the added device for a moment rather than to remove the device in case that the device will be used again one day. Logging out device can be understood as disabling the device in case it can be enabled one day.

You can Click the button to log out the device, and the icon will turn into ;

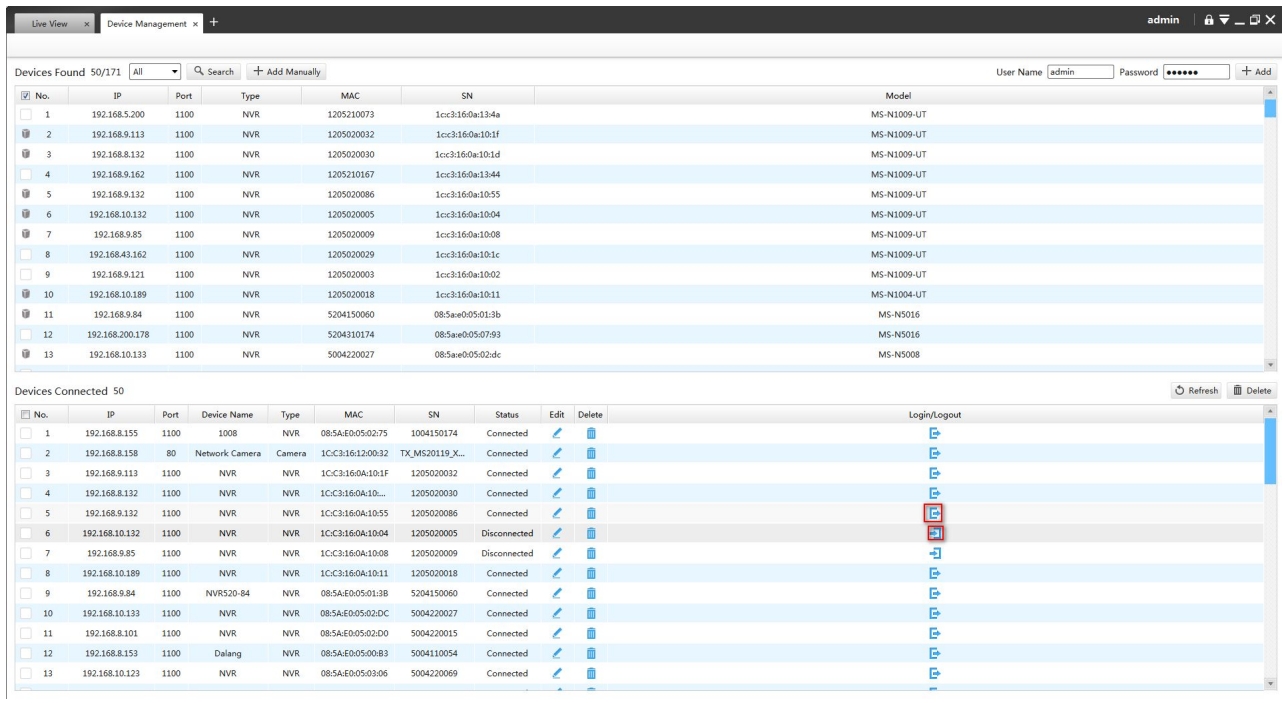


Figure 3-1-7 Log Out the Added Device on Device Management Page

Or right-click the selected device and choose the [Log out].

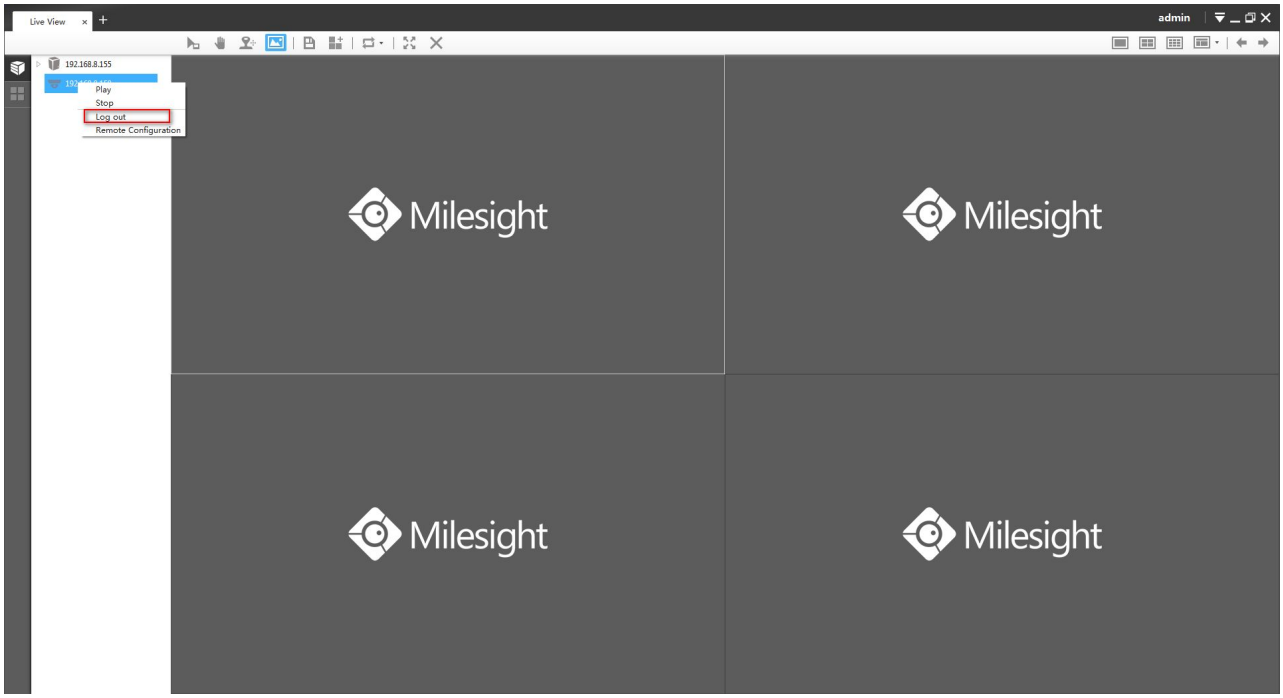


Figure 3-1-8 Log Out the Added Device on Live View Page

Note

- You can click the button on Device Management page or right-click the device on Live View page and choose [Log in] to log in again.

3.1.4 Edit Device

Click the Edit button to edit the added device. Except the Device Type and IP address, the other parameters can be edited. The interface is as followed:

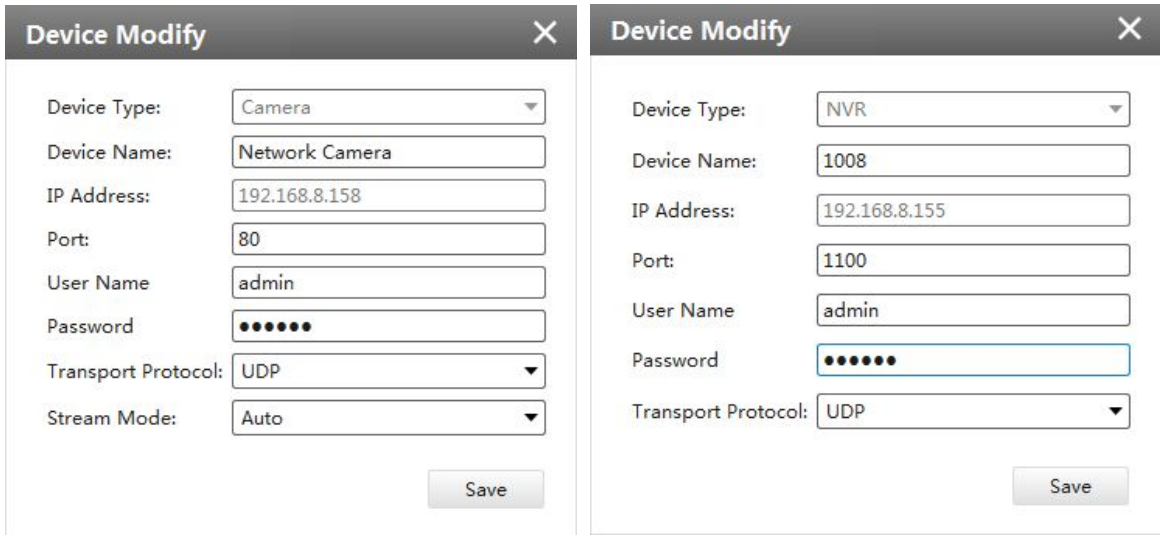


Figure 3-1-9 Edit Device

The meanings of parameters can be referred to the table 3-1-1. Here will not repeat again.

3.2 Device Config

Device Config provides Channels, Record and System three parts for NVR while Video, Event, Record and System four parts for Camera to set the devices.

3.2.1 NVR

The NVR Configuration page is as follows:

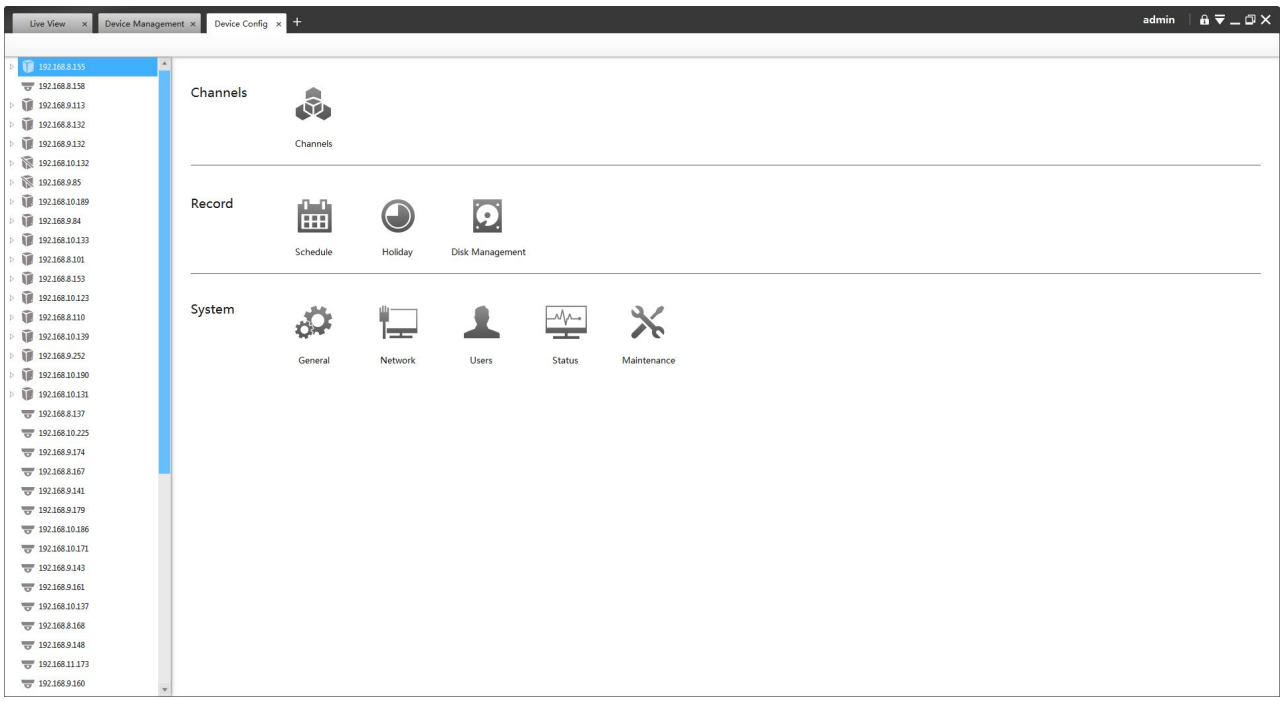


Figure 3-2-1 NVR Page

3.2.1.1 Channels

Channel

Channels management provides searching, adding, editing, deleting channels function. As for searching and deleting channels, please refer to the Chapter III Device Management 3.1 Adding Device, here will not repeat again.

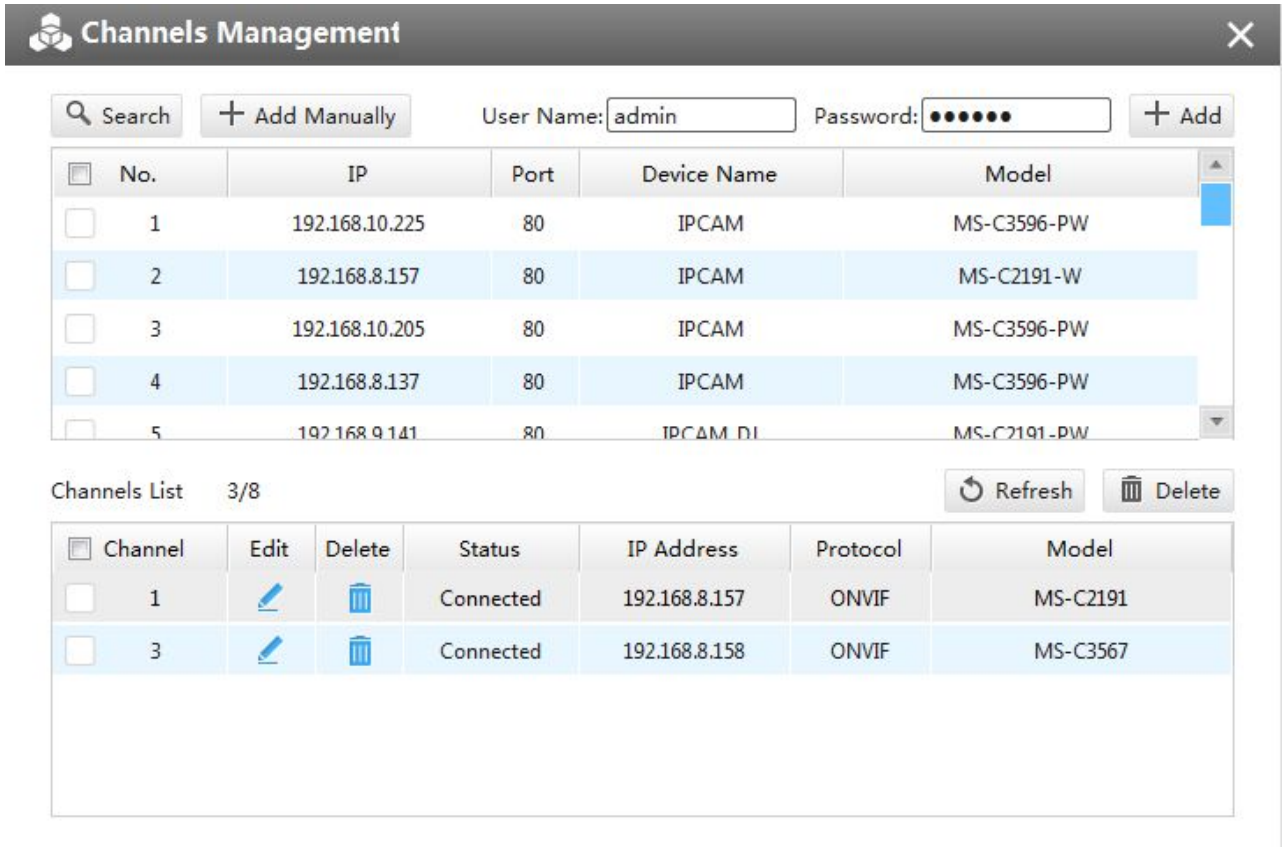


Figure 3-2-2 Channels Management

[Add Channel]

The main difference between adding the cameras which found by the CMS and adding cameras manually is that adding cameras manually can add other brands' cameras via ONVIF and RTSP protocol.

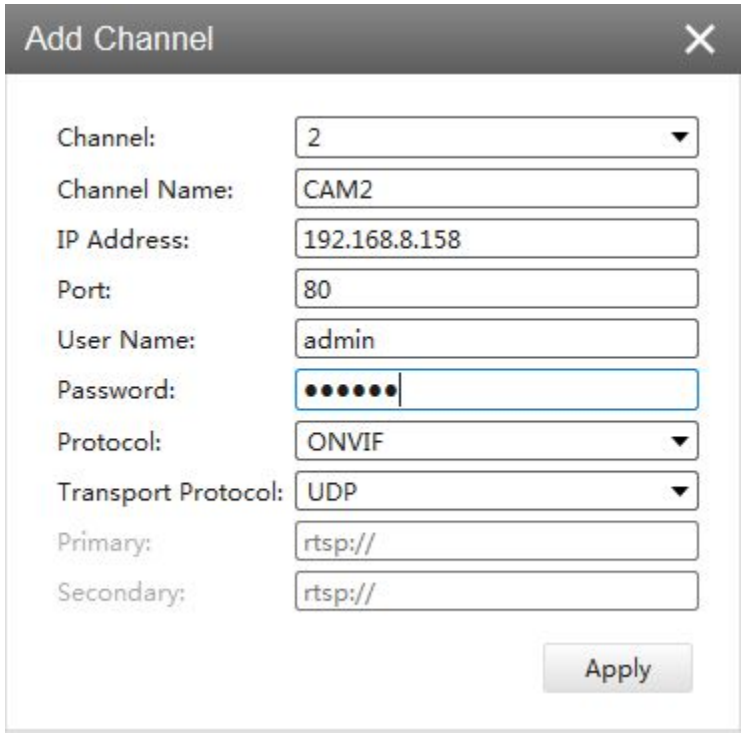


Figure 3-2-3 Add Channel

ONVIF：Which supports ONVIF protocol;

RTSP: Primary: rtsp://IP:Port/main
Secondary: rtsp://IP:Port/sub
(The port for RTSP protocol is 554 for default.)
Milesight is only for the Milesight products.

[Edit Channel]

Click the Edit button , there will pop up the edit window as follows:

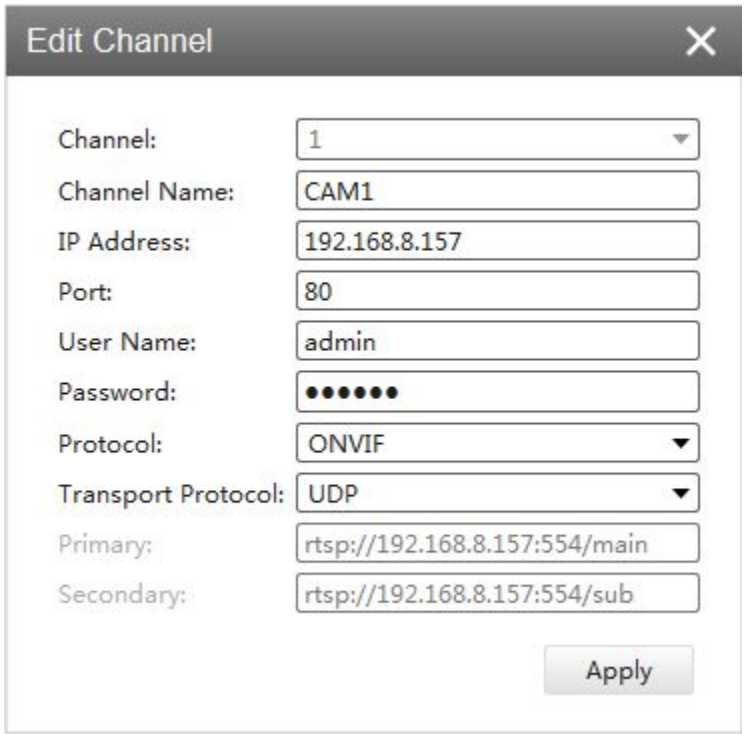


Figure 3-2-4 Edit Channel

The parameters are the same as Adding Manually. You can edit the channel when adding it firstly. Here will not repeat the steps again.

3.2.1.2 Record

Schedule

Click the Schedule button, the setting window will pop up as follows:

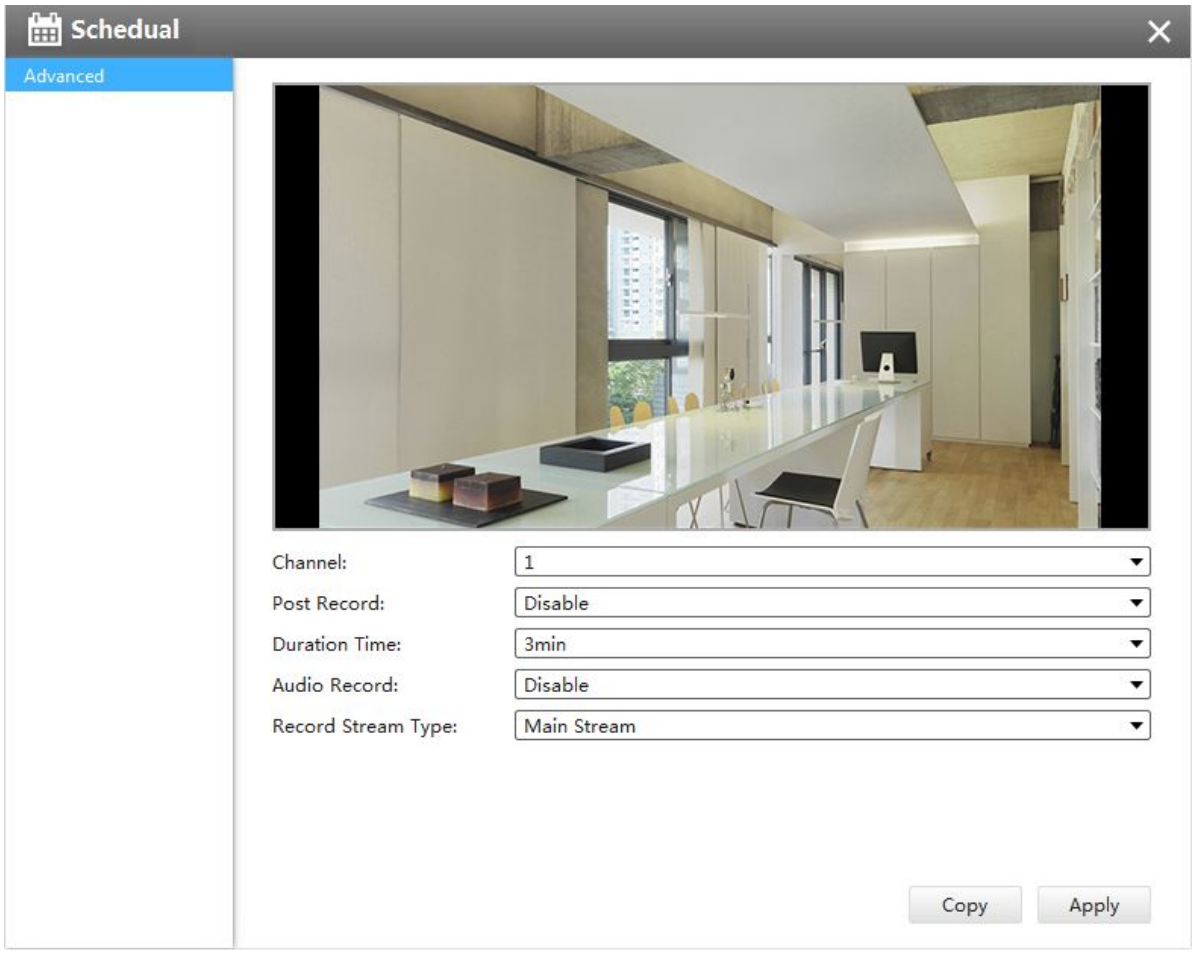


Figure 3-2-5 Schedule

The meanings of the items of Schedule page can be referred to the table 3-2-1 below:

Table 3-2-1 Schedule

Item	Function Introduction
Channel	Select the channel to set
Post Record	Enable or disable the Post Record function
Duration Time	There are several options to meet your need
Audio Record	Enable or disable the Audio Record
Record Stream Type	Main and Sub stream are available

After finishing the settings, you can click the Copy button Copy to copy the settings to the other channels. Click the Apply button Apply to apply your settings to the CMS software.



Figure 3-2-6 Copy to Other Channels

Holiday

Click the Holiday button, there will pop up the Holiday window, click the Edit button to edit the selected holiday schedule as follows:

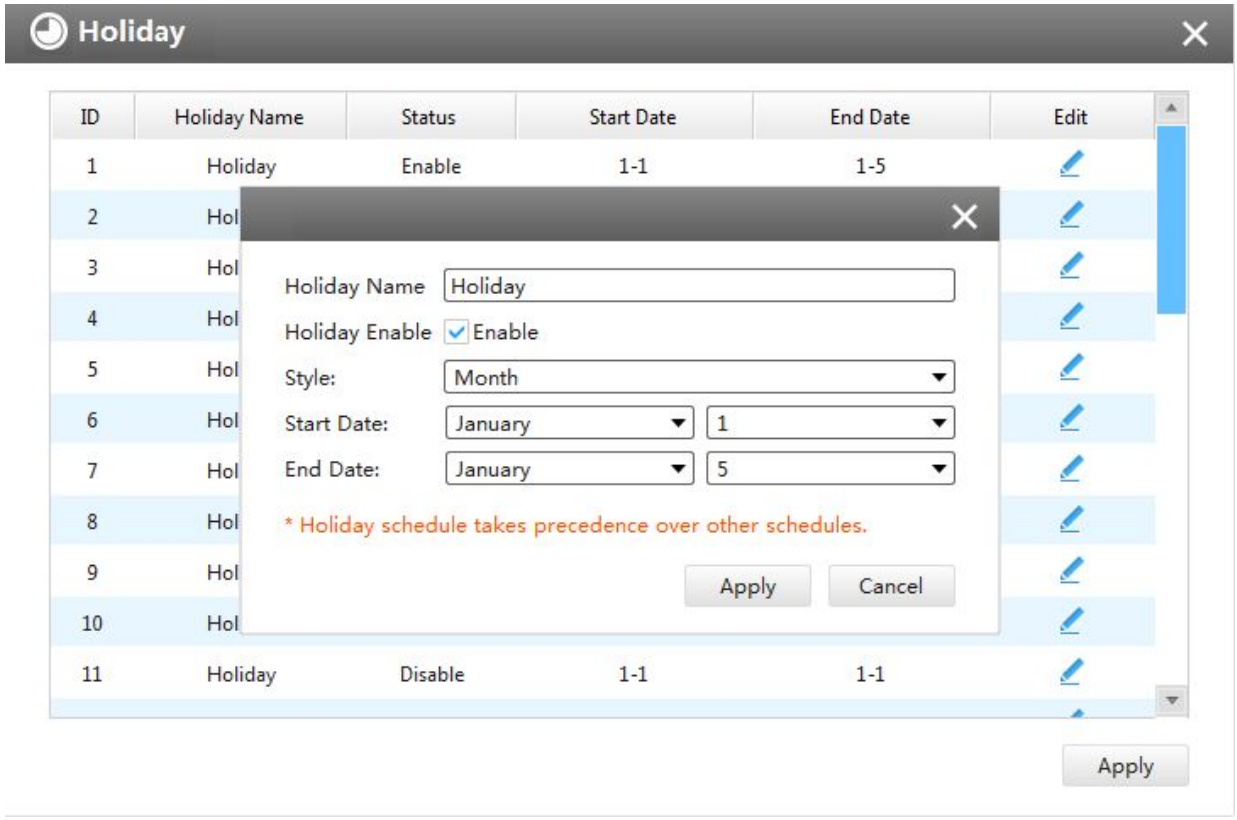


Figure 3-2-7 Holiday

Disk Management

Click the Dish Management to manage the disk, as the window shows, you can check the disk status and format the disk. You can draw the blue bar to get more information about the disk.

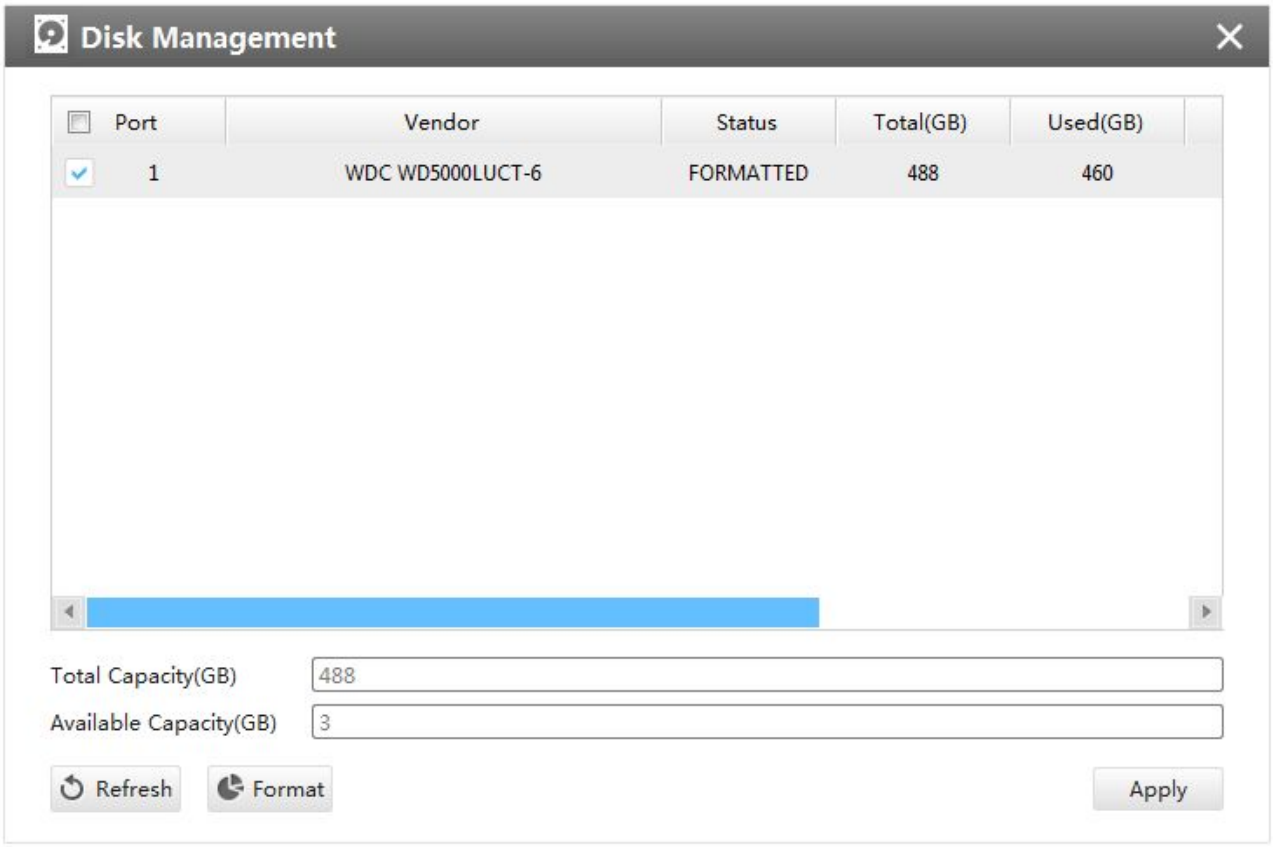


Figure 3-2-8 Disk Management

3.2.1.3 System

There are five parts in the System pages: General, Network, User, Status, Maintenance. Here we will introduce them in more details.

General

Click the General button , there will pop up the windows as follows:

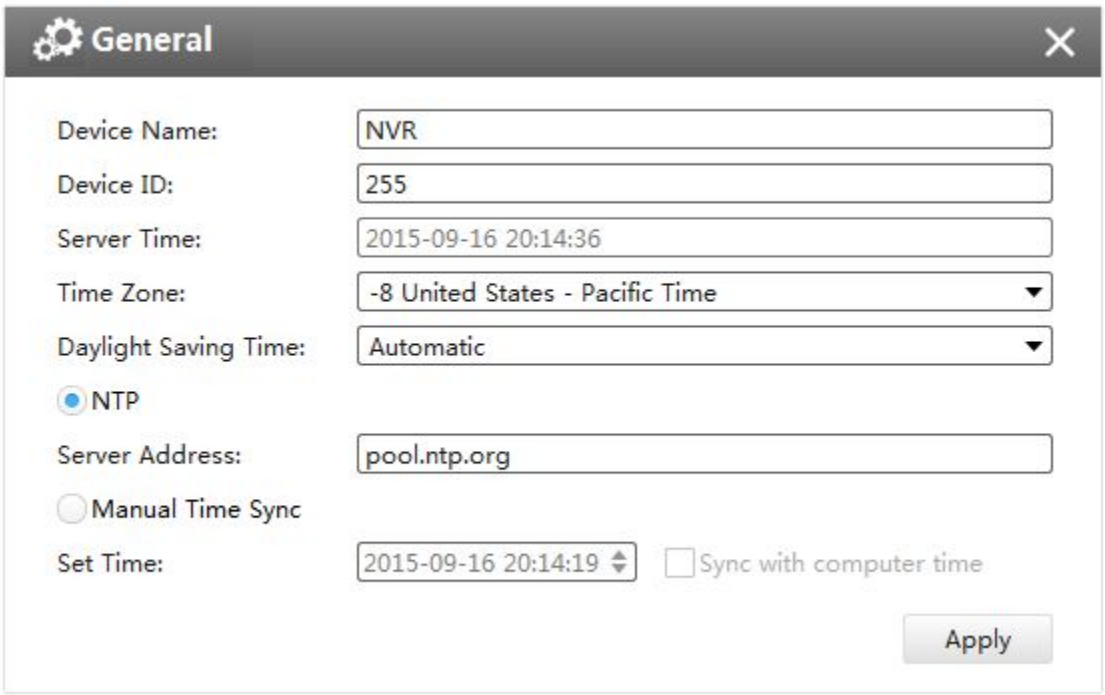


Figure 3-2-9 General

You can edit the device name and ID for your own, and choose the right time zone and whether enable the Daylight Saving Time or not. It also supports to sync date and time with NTP or set the time manually. After finishing the settings, click the Apply button Apply to save and apply the settings to the CMS.

Network

In the Network part, you can use several network functions, such as PPPoE, DDNS, and Mail etc.

[Basic]

Basic configuration includes working mode, IP Address, NetMask, Gateway, MTU, DNS server, etc.

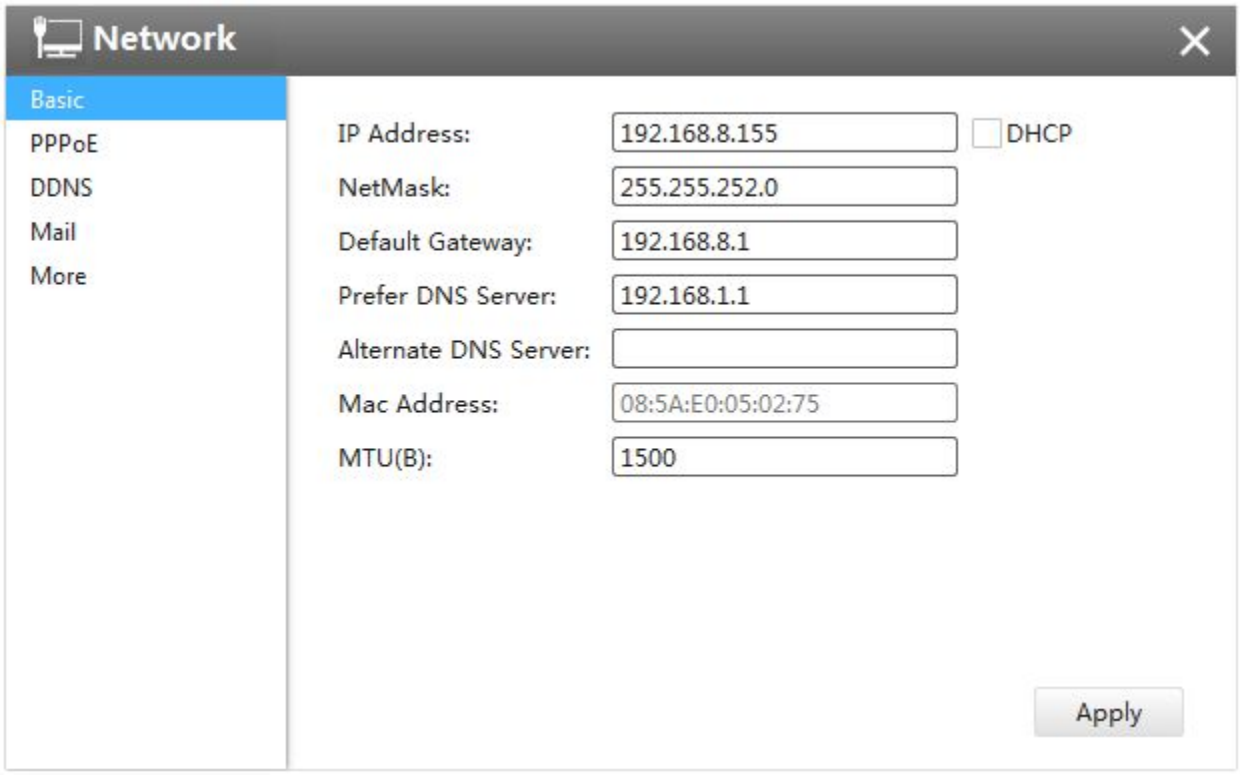


Figure 3-2-10 Basic

[PPPoE]

Check the PPPoE checkbox to enable the feature, and then input user name, password for PPPoE access.

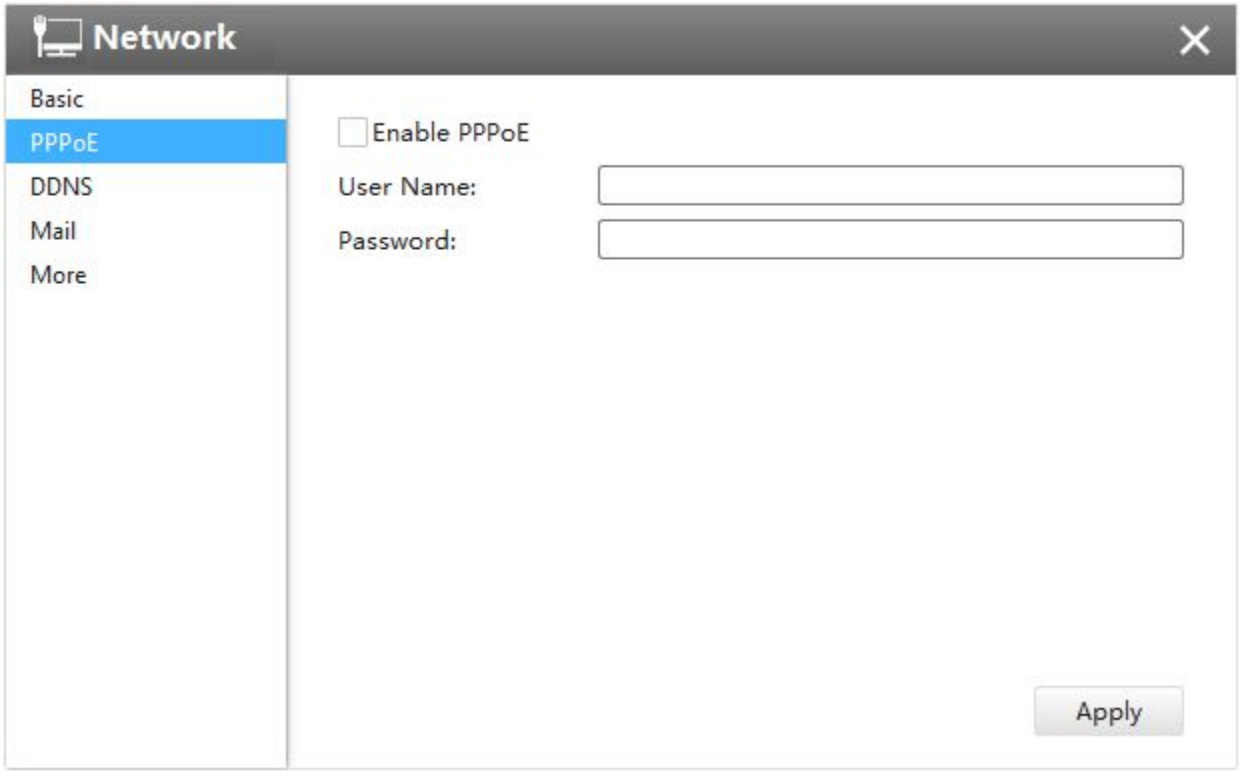


Figure 3-2-11 PPPoE

[DDNS]

If your device is setup to use PPPoE to connect public network, you may need to use DDNS (Dynamic Domain Name System) to solve the problems from dynamic IP address.

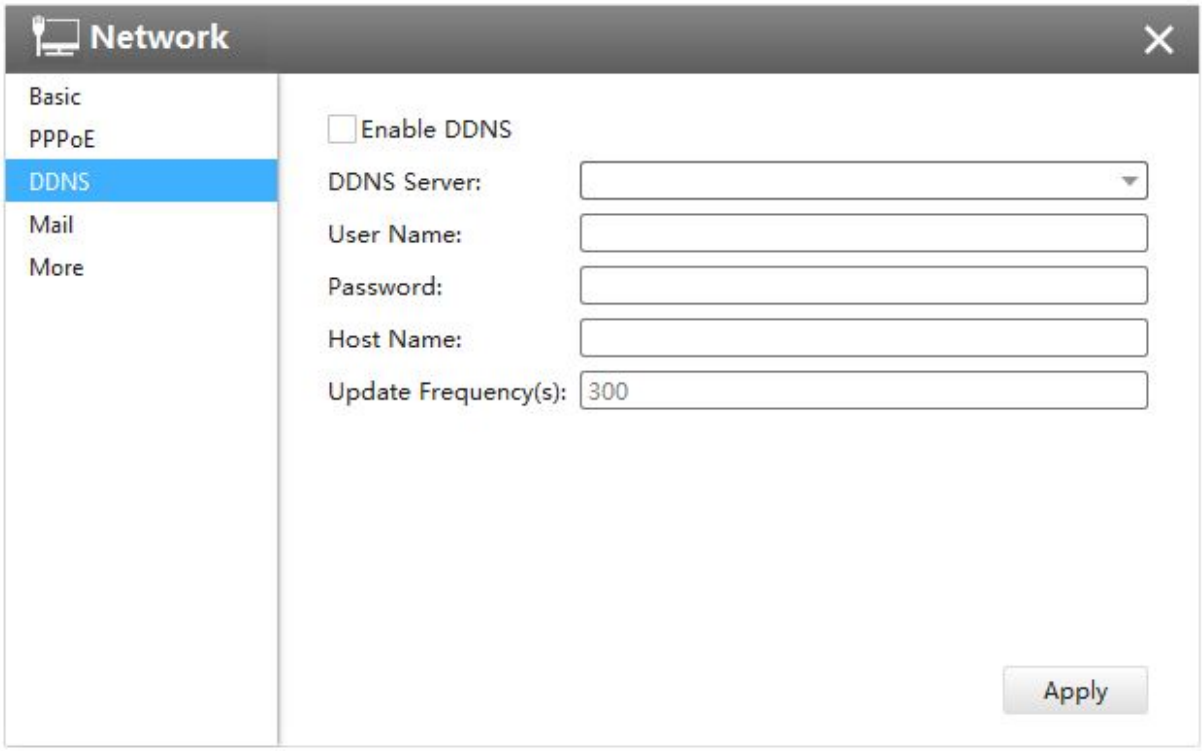


Figure 3-2-12 DDNS

[Mail]

Check whether the SMTP port can be set or not. Please enable SSL/TLS according to actual mailbox. (Some SMTP server needs to secure connection)

Set the Sender E-mail Address, User Name, Password, and SMTP Server:

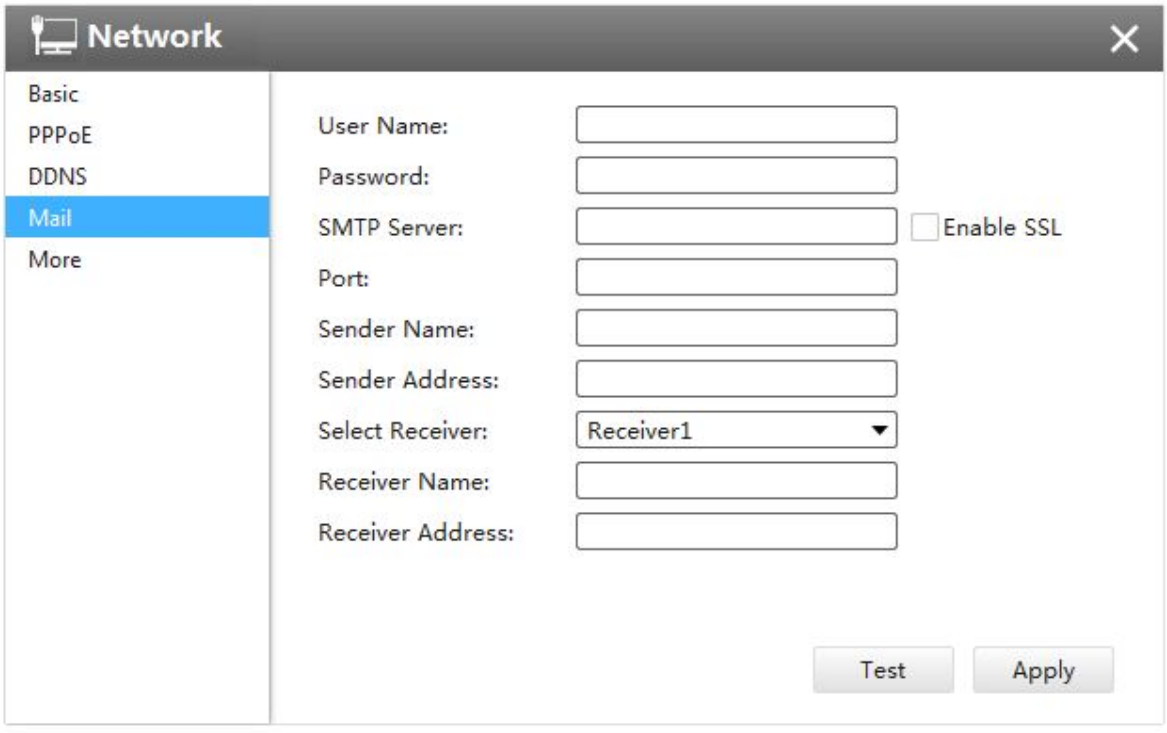


Figure 3-2-13 Mail

The meanings of the items on the Network page can be referred to the table below:

Table 3-2-2 Mail

Item	Function Introduction
User Name	The E-mail address you choose to send emails
Password	The password of the E-mail
SMTP Server	The SMTP Server of your E-mail
Port	The port of SMTP Server, it's usually 25
Sender Name	Named by yourself for the Sender E-mail
Sender Address	It must be the same as [User name]
Select Receiver	You can have 3 receivers once
Receiver Name	Named by yourself for the Receiver E-mail
Receiver Address	E-mail Address for the receivers

[More]

Secure Shell (SSH) has many functions; it can replace Telnet, and also provides a secure channel for FTP, POP, even for PPP.

SSH Port:

Check the SSH Enable checkbox to enable the feature and modify SSH ports according to actual application.

HTTP Port:

The default HTTP port is 80. Please modify HTTP ports according to actual application.

RTSP Port:

Real Time Streaming Protocol (RTSP) is an application layer protocol in TCP/IP protocol system. The default RTSP port is 554. Please modify RTSP port according to actual application.

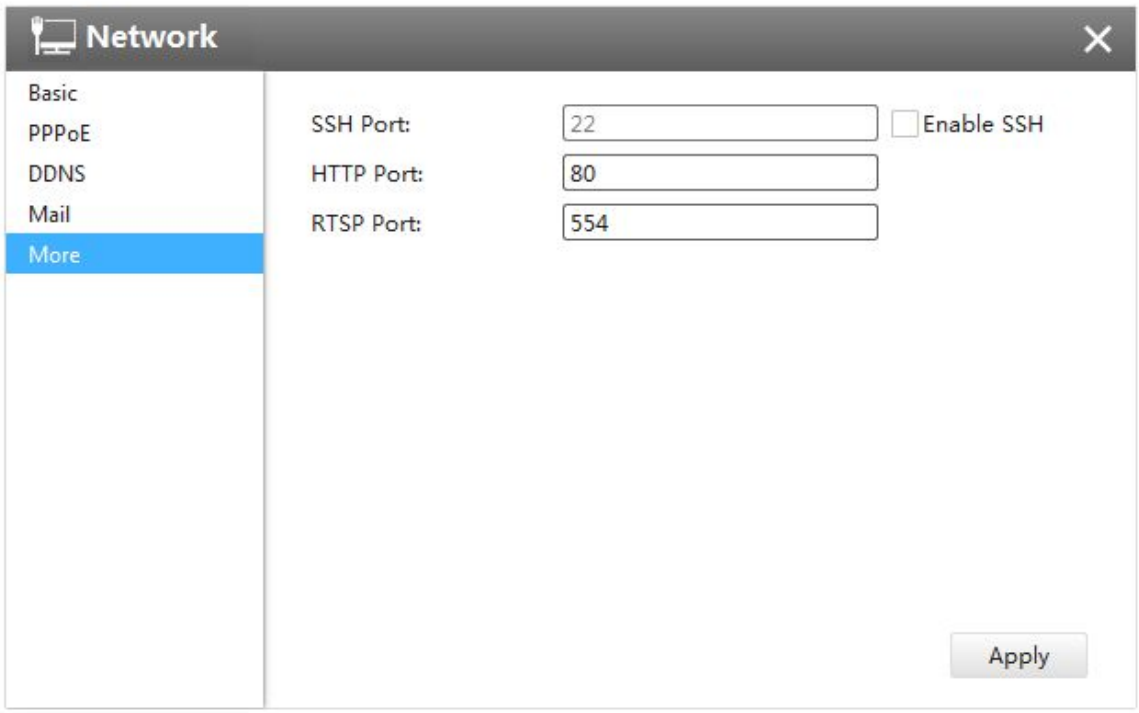


Figure 3-2-14 More

Note

- Check the DHCP checkbox if there has a DHCP server running in networks;
- The valid range of MTU is 500~9676;
- Do not input an IP address conflict with another device;
- PPPoE user name and password can be obtained from your service provider. Once the setup is completed, a connected status will be shown;
- "Host name" can use letters, figures and hyphen (-), and must begin with letters;
- You will get a snapshot every time for motion detection email sending;
- If you use a port forward IP of NVR for the Host Name, please type the entire address including the port;
- The default SSH port is 22, and the default HTTP port for IE browser is 80, while the valid range of RTSP port is 554 or 1024~65535;
- HTTP port is used for remote network access while RTSP port is used for remote network live view;

Users

In this part, you can add, edit and delete Operator and User accounts while the Admin only allows the Password to edit.

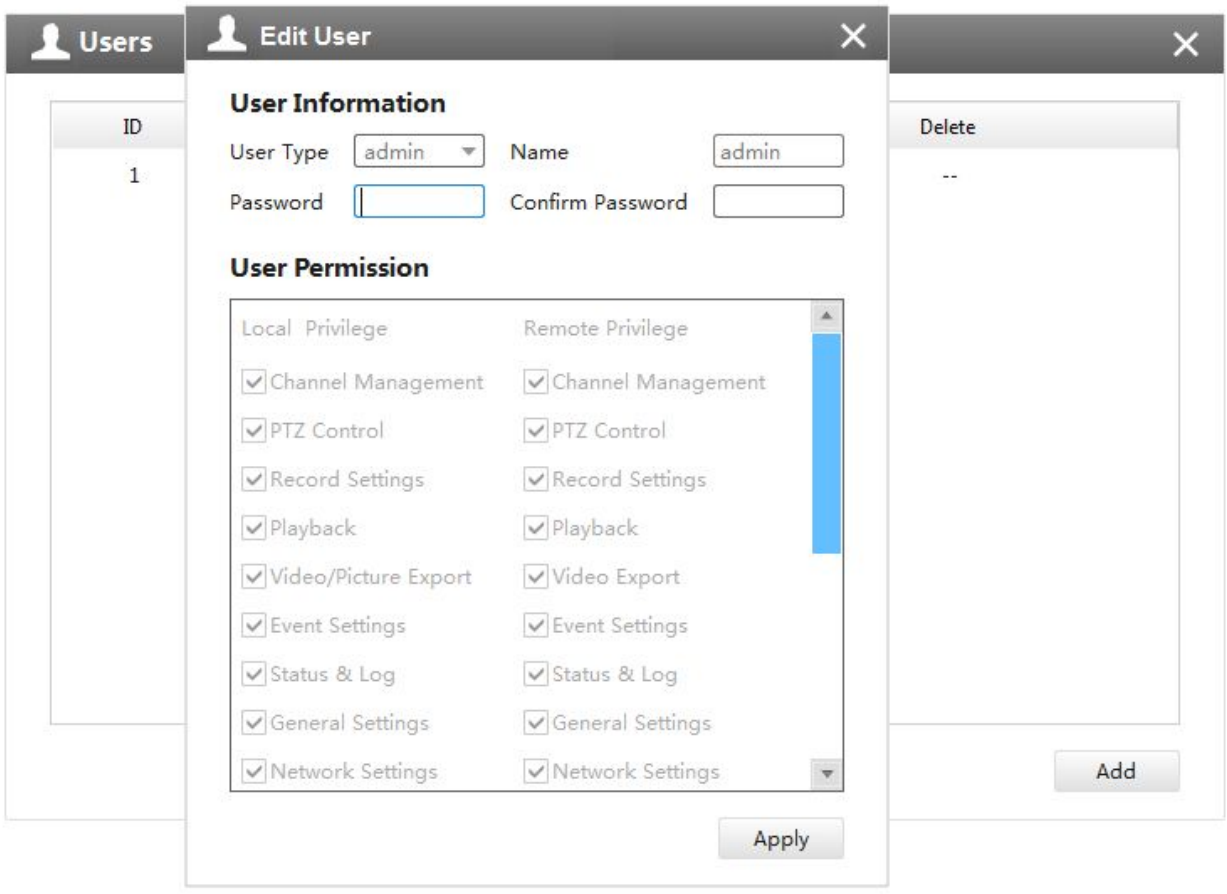


Figure 3-2-15 User

Status

Status includes the Device Information, Network Status, Camera Status and Event Status four parts. Status adopts the page form to display the contents.

[Device Information]

From this page, you can check the Device ID, Device Name, Camera Number(The maximum number of camera can be added to the NVR), HDD number(The maximum number of HDD can be supported to the NVR), Alarm Input Number, Alarm Output Number, Alarm Input Number, Device Serial Number, Firmware Version, Hardware Version, Uptime.

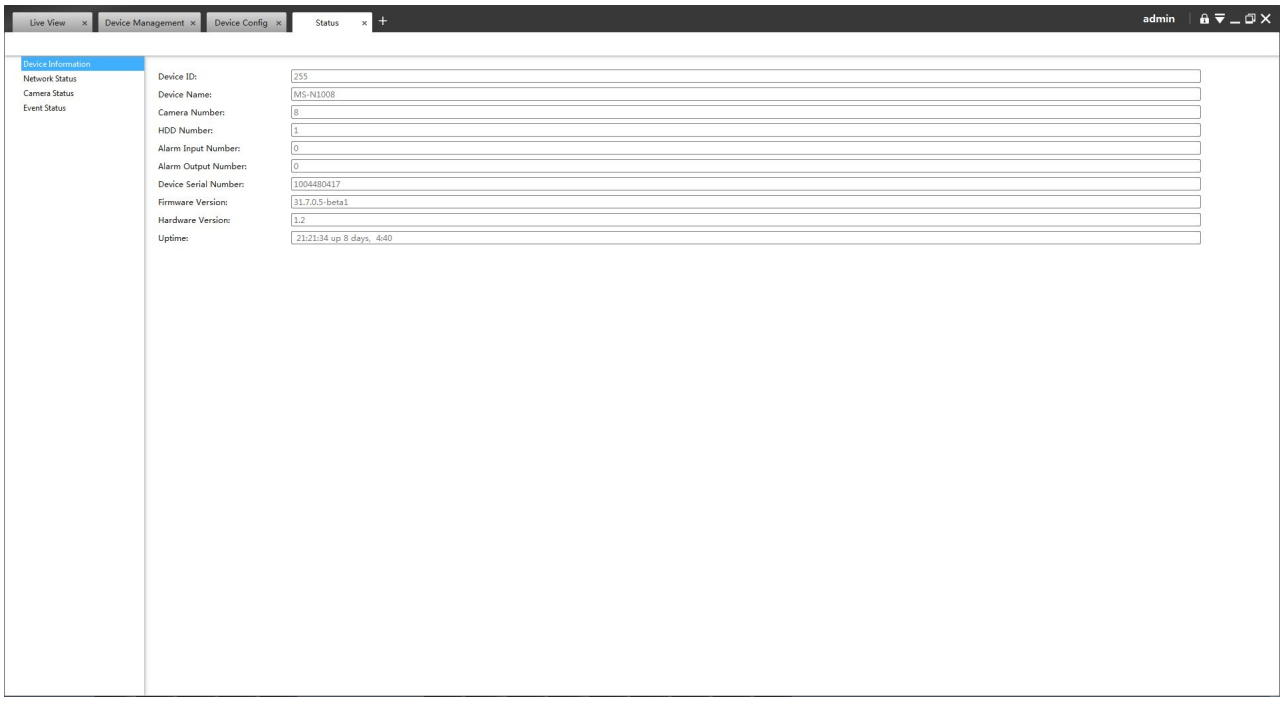


Figure 3-2-16 Device Information

[Network Status]

It will show you information about the network, including: Receive Bandwidth, Connection, Mode, DHCP, MTU(B), IP Address, Net mask, Gateway, MAC, Preferred DNS Server, Alternate DNS Server, Receive Rate, and Send Rate.

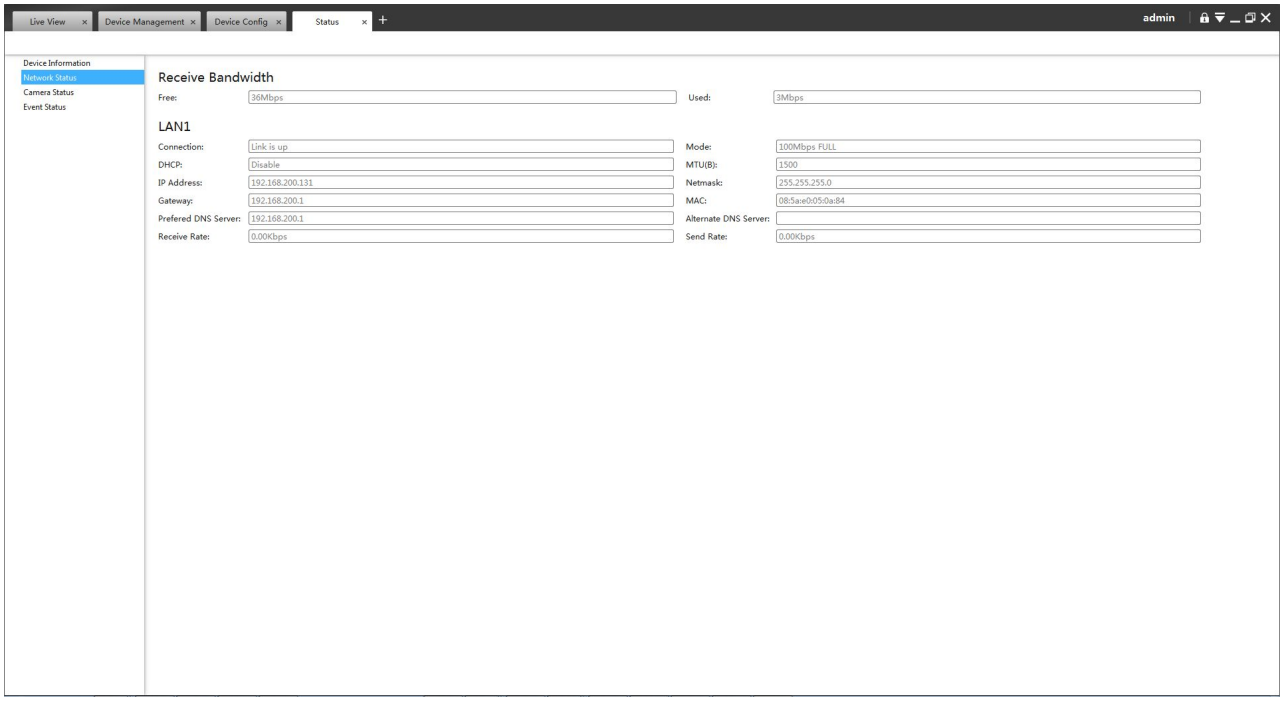


Figure 3-2-17 Network Status

[Camera Status]

It will show you the Channel, Name, Enable or not, IP address, Record or not, Frame Rate, Bitrate, Resolution of main stream, Status of connection.

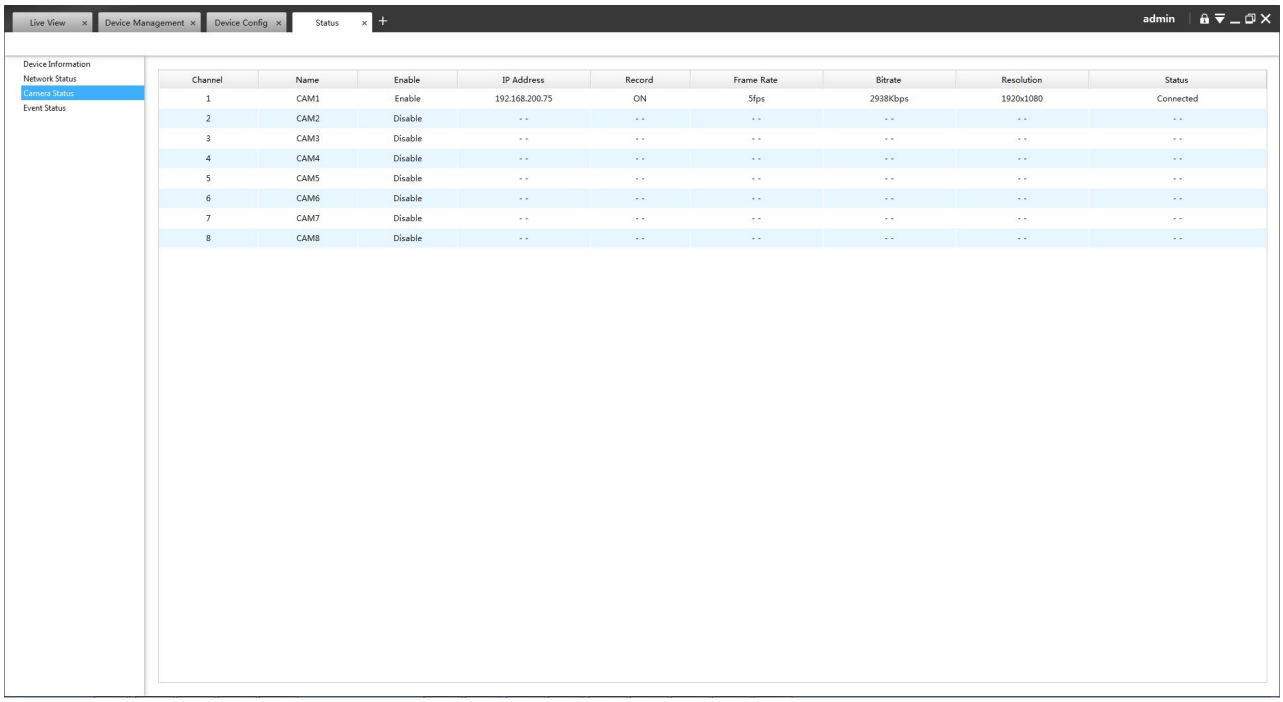


Figure 3-2-18 Camera Status

[Event Status]

The icon will turn to red when the device is in the event status:

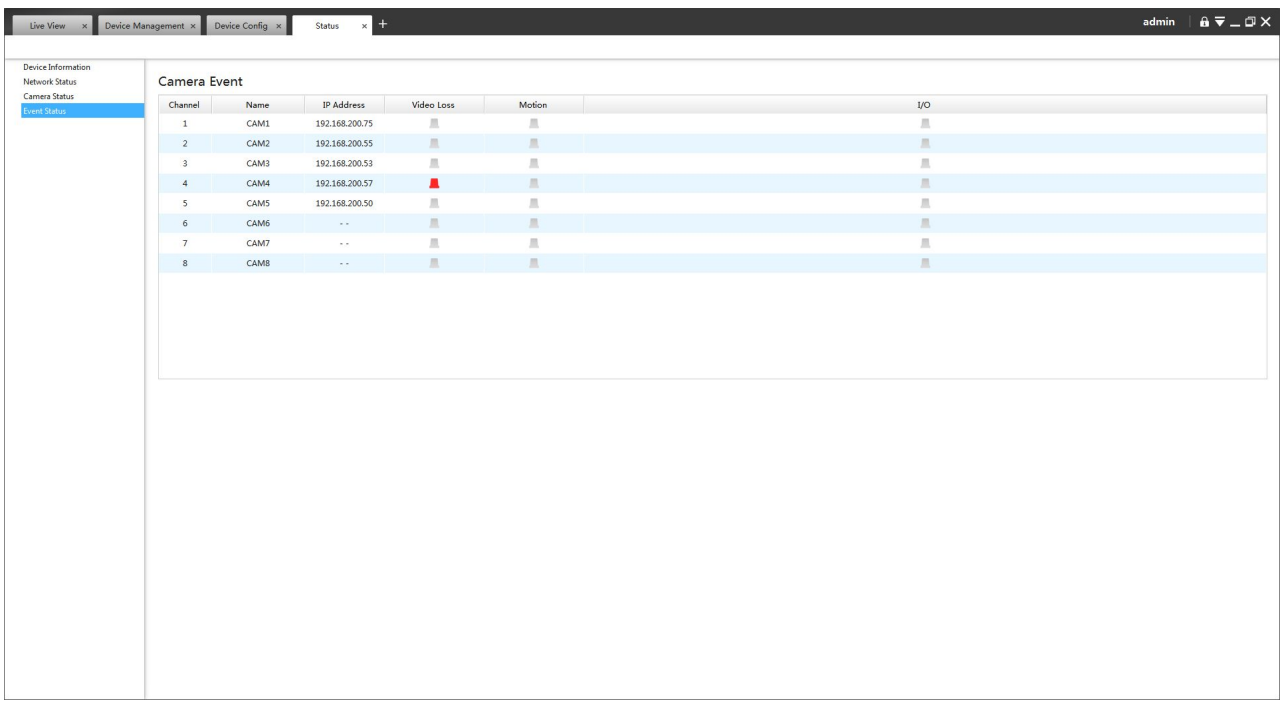


Figure 3-2-19 Event Status

Maintenance

Click the Maintenance button , there will pop up the window as follows, you can choose the log and photo retention period for 1/2/4/6/8/10/12 months or permanent in Auto Maintenance

part. And for the System Management part, you can click the Reboot button Reboot to reboot the CMS.

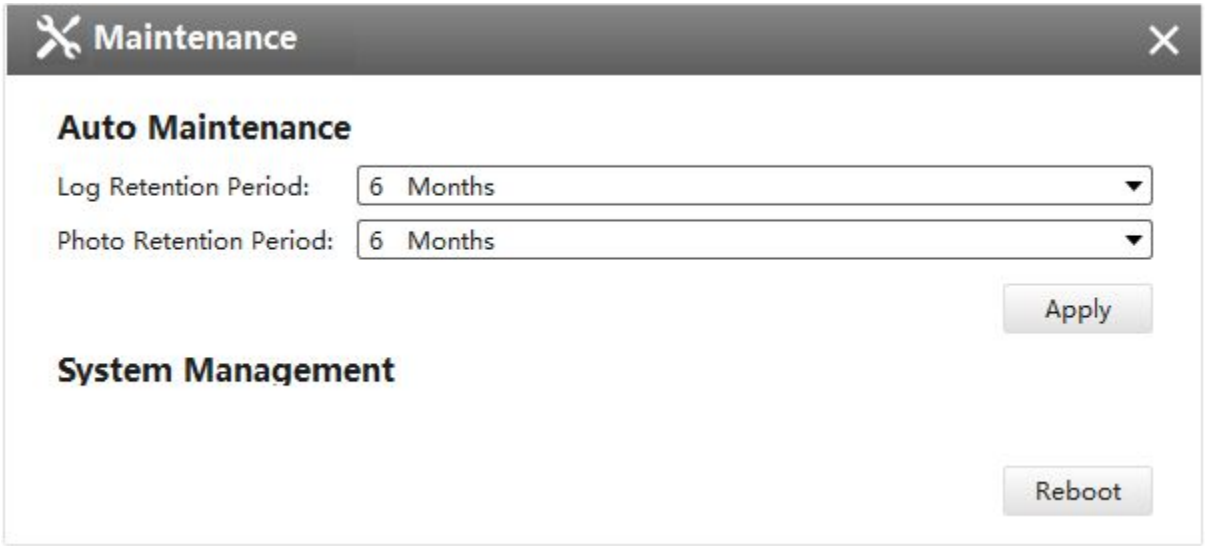


Figure 3-2-20 Maintenance

3.2.2 Camera

The Camera Configuration page is as follows:

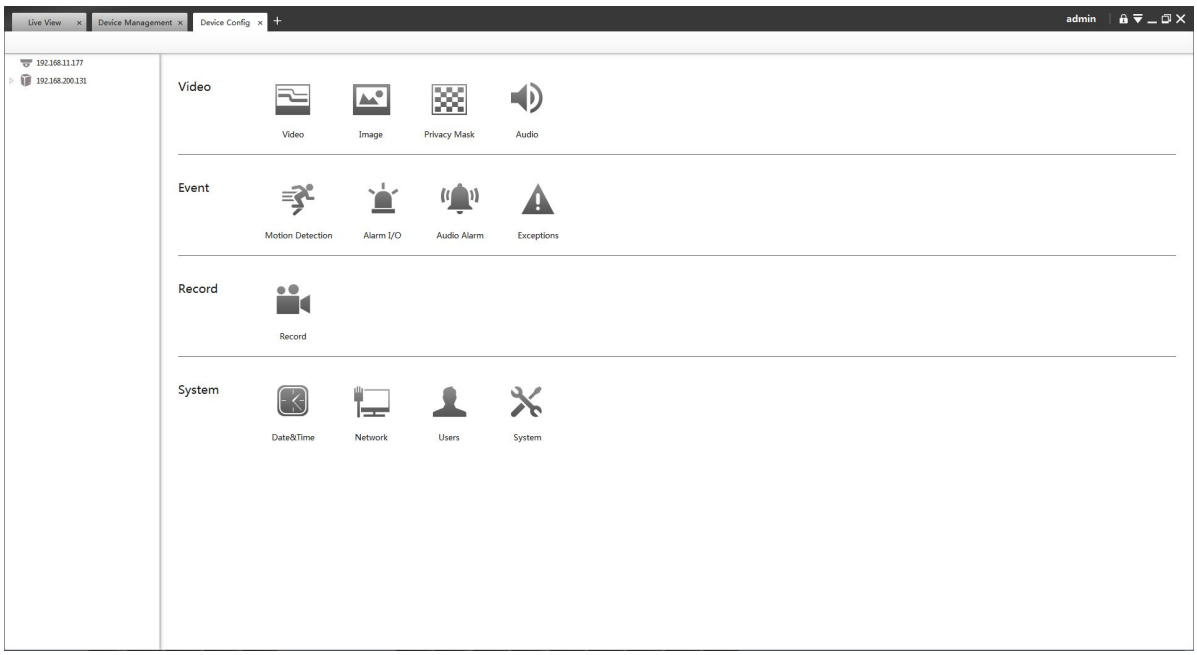


Figure 3-2-21 Camera

3.2.2.1 Video

Video

The Video page is as follows:

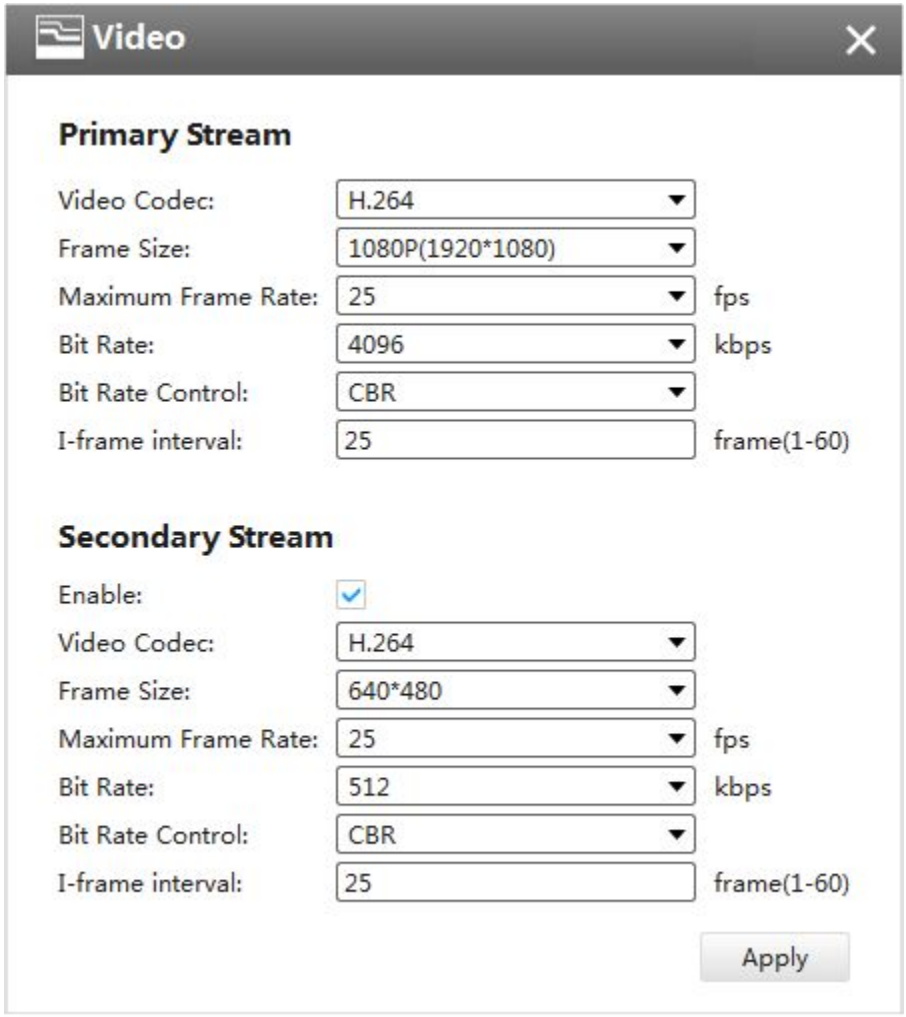


Figure 3-2-22 Video

The meanings of the items on video page can be referred to the table below:

Table 3-2-5 Video

Parameters	Function Introduction
Video Codec	H.264/MJPEG available
Frame Size	Options include 3M(2048* 1536), 1080P(1920*1080), 2M(1600 *1200), 1.3M(1280*960), 720P(1280*720), D1 (704*576)
Maximum Frame Rate	Maximum refresh frame rate of per second
Bit Rate	Transmitting bits of data per second, this item is optional only if you select the H.264
Bit Rate Control	**CBR:** Constant Bitrate. The rate of CBR output is constant
	VBR: Variable Bitrate. VBR files vary the amount of output date per time segment
I-frame Interval	Set the I-frame interval to 1~60, this item is optional only if you select the H.264

Image

The Image page is as follows:

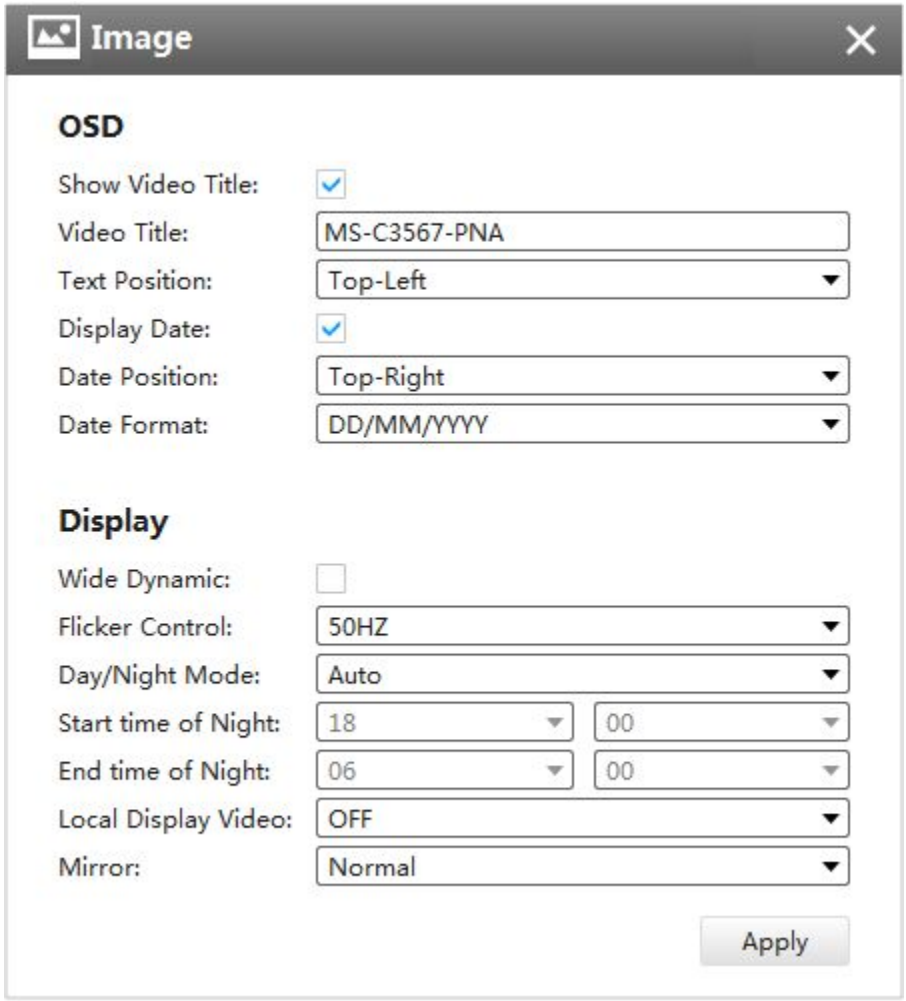


Figure 3-2-23 Image

The meanings of the items on Image page can be referred to the table below:

Table 3-2-6 Image

Parameters	Function Introduction
Show Video Title	Check the checkbox to show video title
Video Title	OSD content customized
Text Position	OSD display position on the image
Display Date	Check the checkbox to display date on the image
Date Position	Date display position on the image
Date Format	The format of date

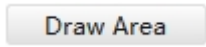
Wide Dynamic	Wide Dynamic: This function enables the capture and display of both bright and dark areas in the same frame, there are details in both areas in this way
Flicker Control	60HZ flicker for NTSC mode and 50HZ flicker for PAL mode
Day/Night Mode	There are several parameters such as Exposure Level, Maximum Exposure Time and IR-CUT Interval, etc. associated with this mode **Night Mode:** Shown in live view based on Night Mode settings **Day Mode:** Shown in live view based on Day Mode settings **Auto Mode:** Shown in live view based on environment **Customize:** Shown in live view based on your own settings' time to start/end Night Mode
Local Display Video	**OFF/NTSC/PAL** are available
Mirror	There are four options available, you can select one to meet your need **Normal:** Remain the image in normal direction **Flip Horizontal:** Flip the image horizontally **Flip vertical:** Flip the image vertically **Rotating 180°:** The images is presented upside down

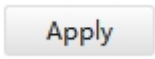
Privacy Mask

Milesight CMS supports privacy mask. The steps are as follows:

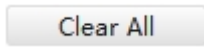
Step1: Check the checkbox to enable the Privacy Mask function;

Step2: Choose the mask type

Step3: Click the [Draw Area] button 

to draw the area and click [Apply] button 

to apply settings;

Step4: Clicking [Clear All] button 

will clear all drawn area;

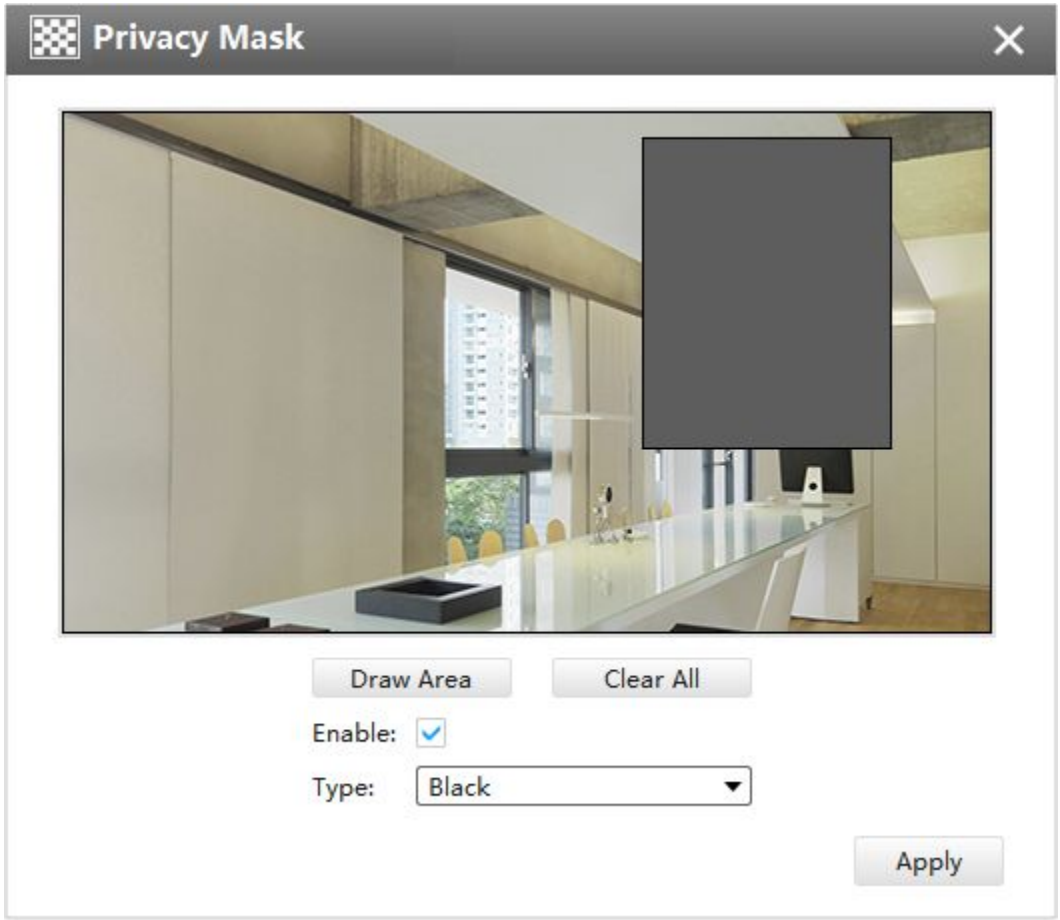


Figure 3-2-24 Privacy Mask

Audio

This audio function allows you to hear the sound from the camera or transmit your sound to the camera side. A two-way communication is also possible to be achieved with this feature. Alarm can be triggered when the audio input is above a certain alarm level you set, and configured audio can be played when an alarm occurs.

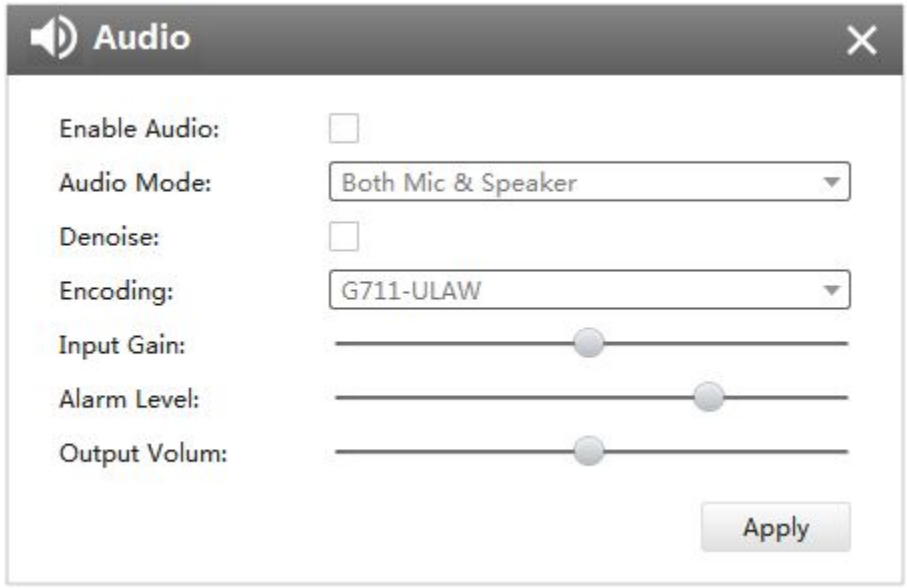


Figure 3-2-25 Audio

The meanings of the items on Audio page can be referred to the table below:

Table 3-2-7 Audio

Parameters	Function Introduction
Enable Audio	Check the checkbox to enable audio feature **Audio Mode**: Only Mic, Only Speaker, Both Mic and Speaker are available
Audio Input	**Denoise:** Set it as On/Off. When you set the function on, the noise detected can be filtered **Encoding:** G711-ULaw, G711-ALaw and AAC LC are available **Sample Rate:** There are 8KHz/16KHz two options **Input Gain:** Input audio gain level, 0-100 **Alarm Level:** Alarm will be triggered if voice alarm is enabled and input gained volume is higher than the alarm level, 0-100 **Output Volum:** Output level, 0-100

3.2.2.2 Event

Motion Detection

Check the checkbox to enable the Motion Detection function, you can draw the interested area or click the Select All button Select All to select all area interested. And the sensitivity ranges from o to 100. Here are three options for alarm action, [Upload Via FTP], [Upload Via SMTP] and [Save Into SD Card]. And click the Edit Schedule button Edit Schedule to edit the time to enable the Motion Detection, then apply the settings.

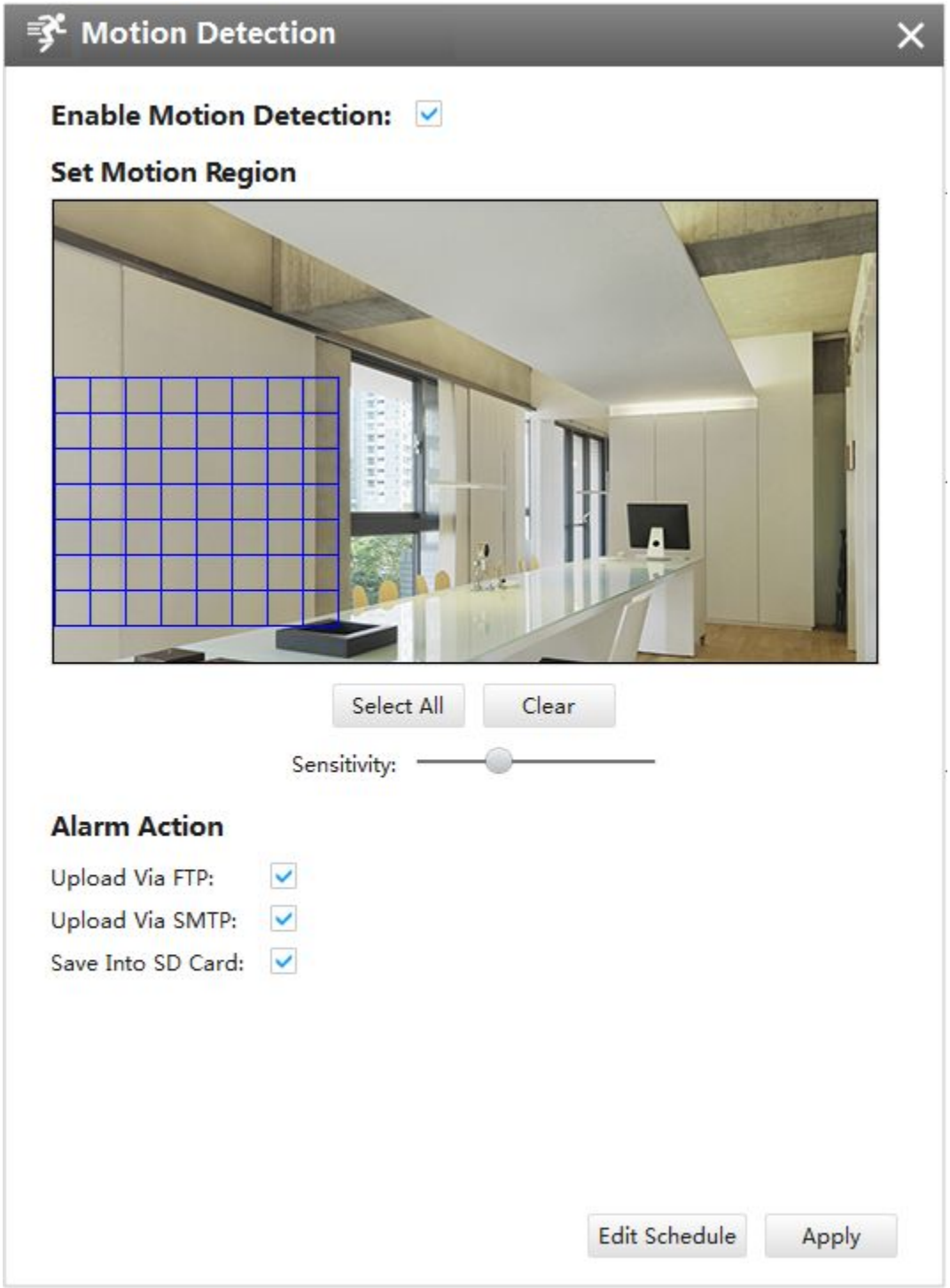


Figure 3-2-26 Motion Detection

Alarm I/O

Enable the function first before you using the function. CMS supports several alarm actions when alarm triggered. FTP and SMTP must be set already before you use the alarm function.

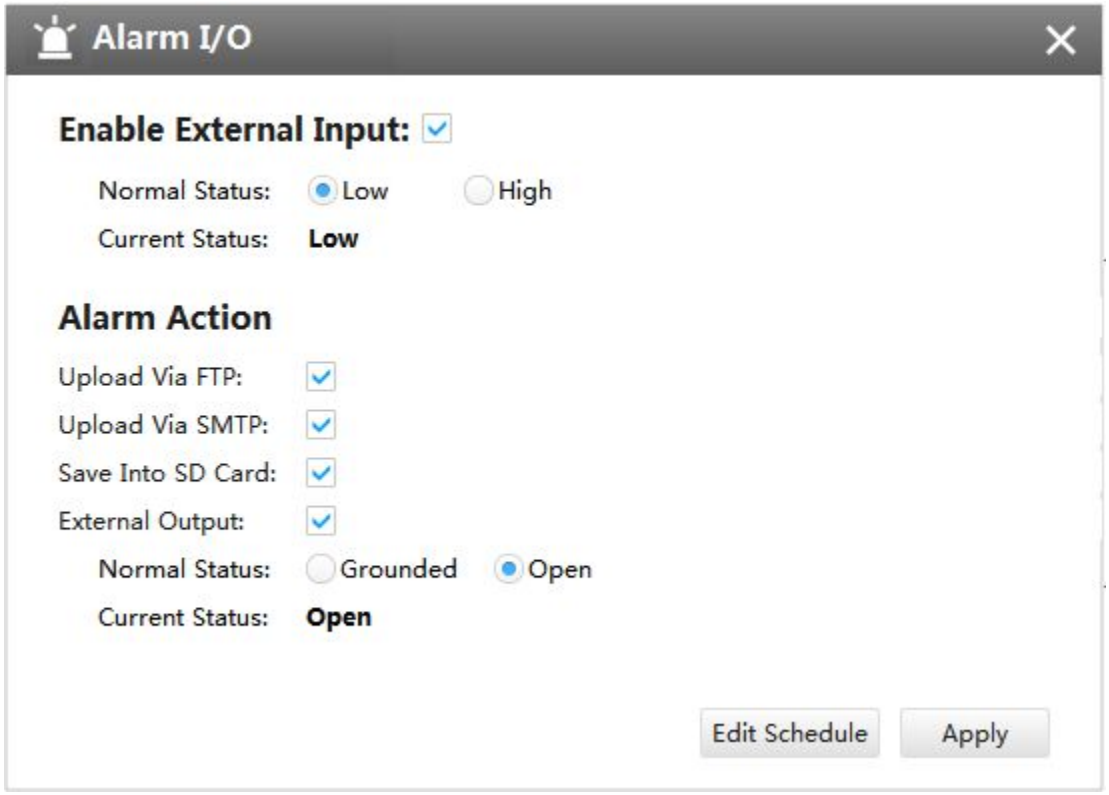


Figure 3-2-27 Alarm I/O

Audio Alarm

Audio Alarm requires to enable Audio function first. CMS supports several alarm actions when alarm triggered. FTP and SMTP must be set already before you use the alarm function.

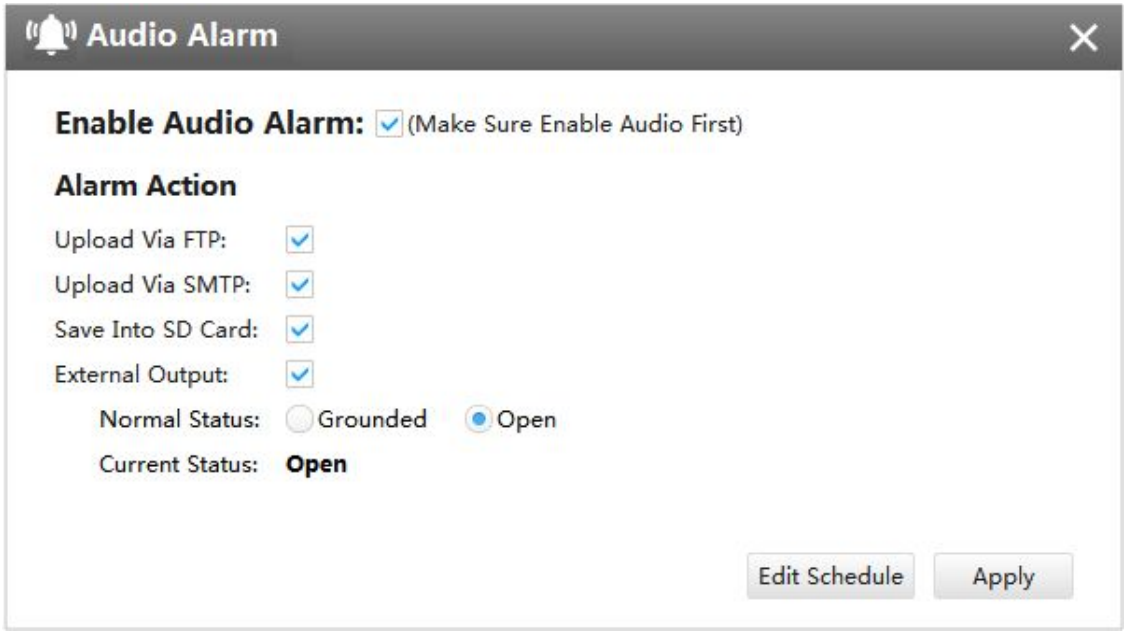


Figure 3-2-28 Audio Alarm

Exception

There are Network Lost and IP Conflict two kinds of Alarm Type available, the page is as follows:

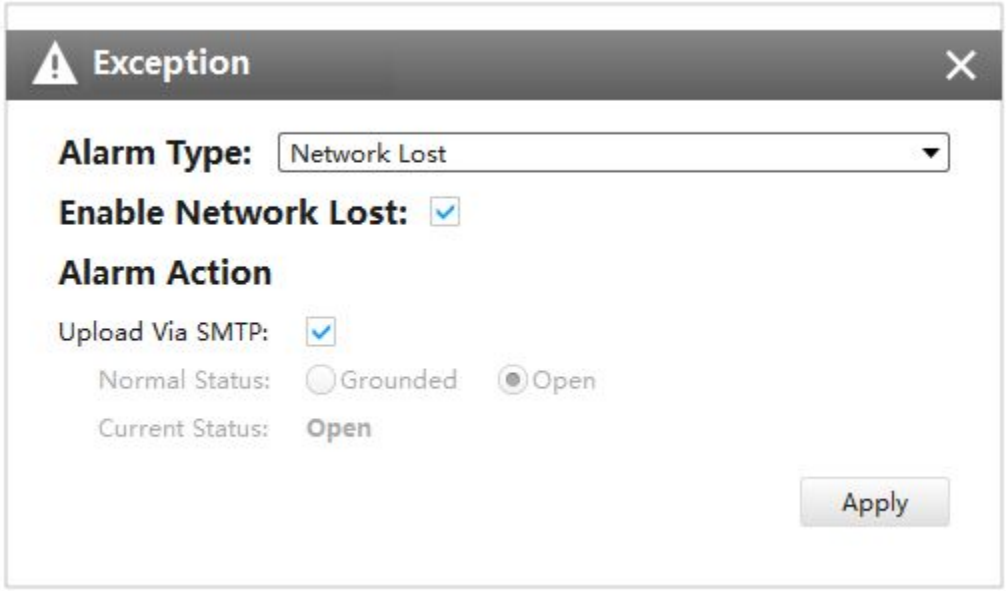


Figure 3-2-29 Exception

Note

- Please finish the relevant settings in the Network part before using the the Alarm function on CMS;
- It will active the alarm when the current status is different from normal status on Alarm I/O page, you can set the status yourself to meet your need;

3.2.2.3 Record

Record

CMS supports to record video in SD card of camera. You can set the record file size from 10M to 256M, select the record frame type for All or Key and set the time to record. The Record page is as follows:

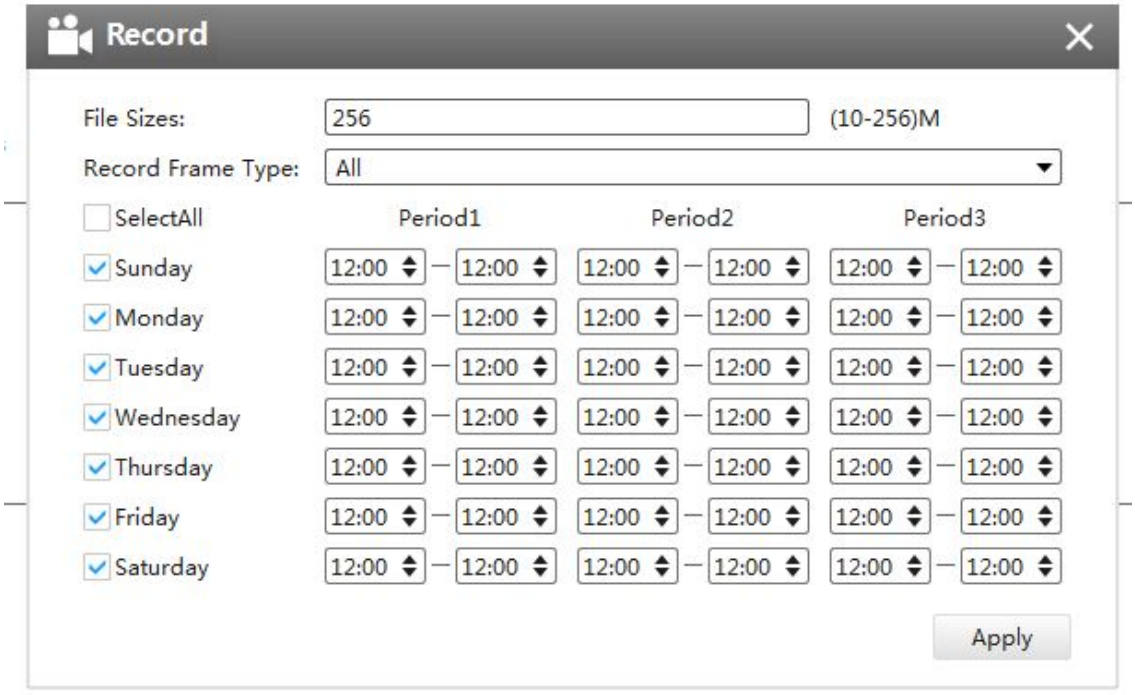


Figure 3-2-30 Record

3.2.2.4 System

Date&Time

You can select the time zone and decide whether to enable the Daylight Saving Time or not. It also supports to sync date and time with NTP or set the time manually. After finishing the settings, click the Apply button Apply to save and apply the settings to the CMS.



Figure 3-2-31 Date&Time

Network

[Network]

The Network page is as follows:

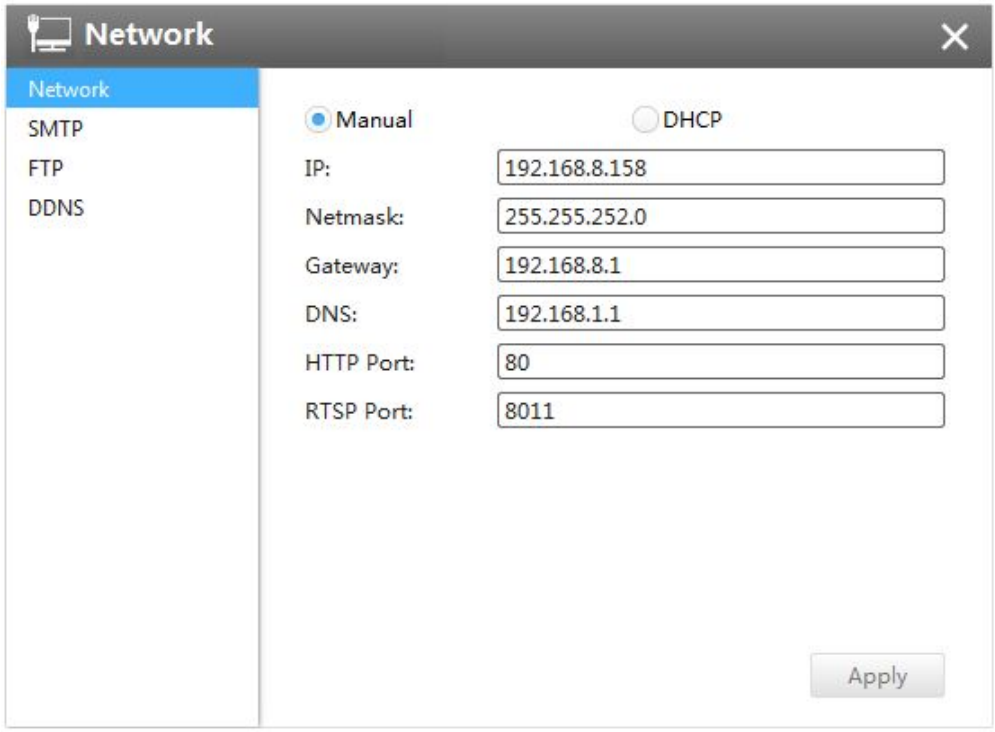


Figure 3-2-32 Network

[SMTP]

Alarm video files can be sent to specific mail account through SMTP server. You must configure the SMTP settings correctly before using it.

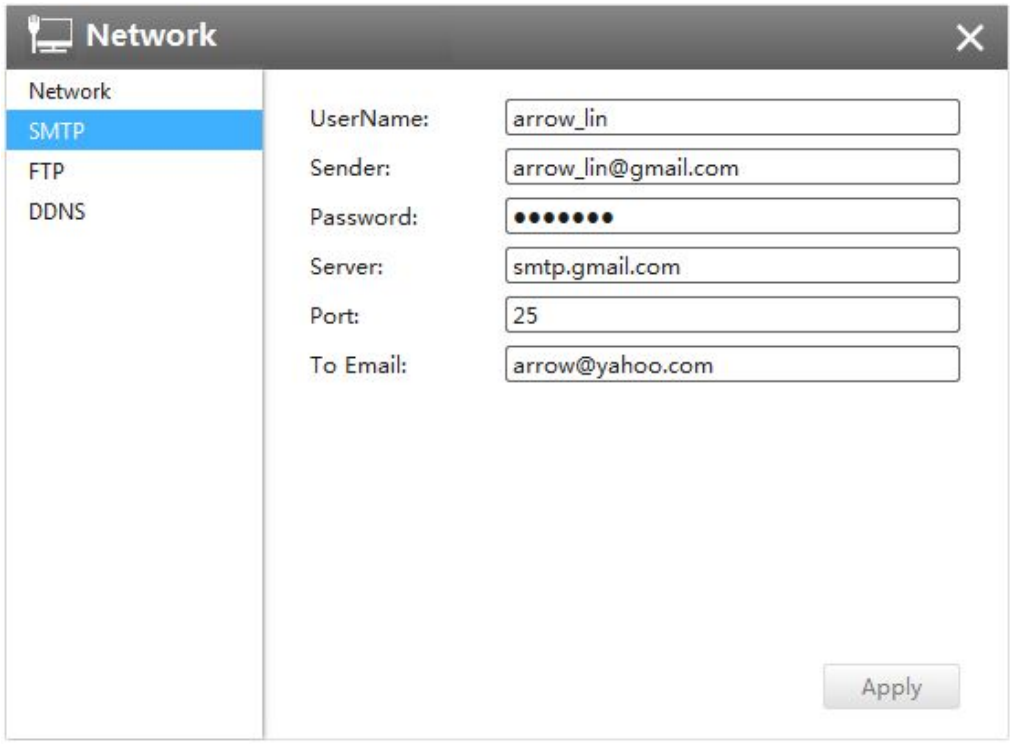


Figure 3-2-33 SMTP

The meanings of the items on SMTP page can be referred to the table below:

Table 3-2-7 SMTP

Parameters	Function Introduction
User Name	The sender's name. It is usually the same as the account name
Sender	Email address to send video files attached emails
Password	The password of the sender
Server	The SMTP server IP address or host name(e.g.smtp.gmail.com)
Port	The port of SMTP server. The default TCP/IP port for SMTP is 25(not secured). For SSL/TLS port, it depends on the mail you use
To Email	Email address to receive video files

[FTP]

Alarm video files can be sent to specific FTP server. You must configure the FTP settings correctly before using it.

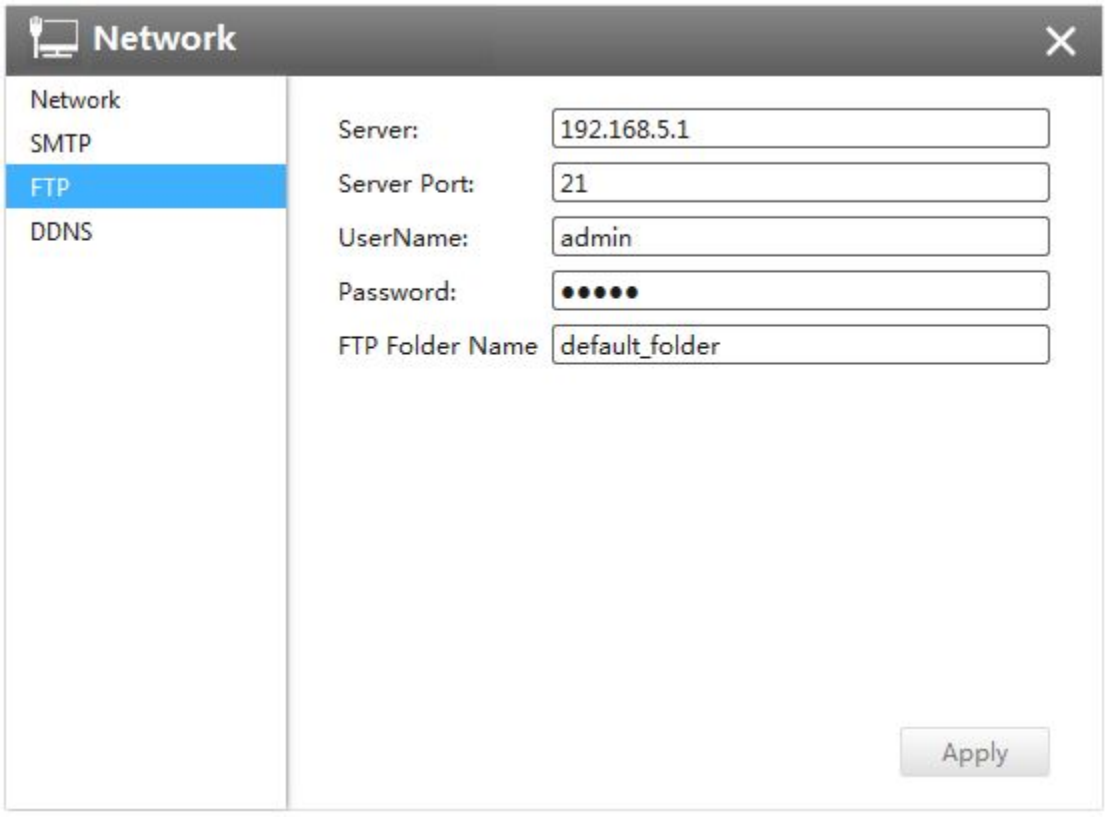


Figure 3-2-34 FTP

The meanings of the items on FTP page can be referred to the table below:

Table 3-2-8 FTP

Parameters	Function Introduction
Server	FTP server address
Server Port	The port of the FTP server. Generally it is 21
User Name	User name used to log in to the FTP sever
Password	User password
FTP Folder Name	Path where video will be uploaded to on the FTP server

[DDNS]

DDNS allows you to access the camera via domain names instead of IP address. It manages to change IP address and update your domain information dynamically. You need to register an account from a provider.

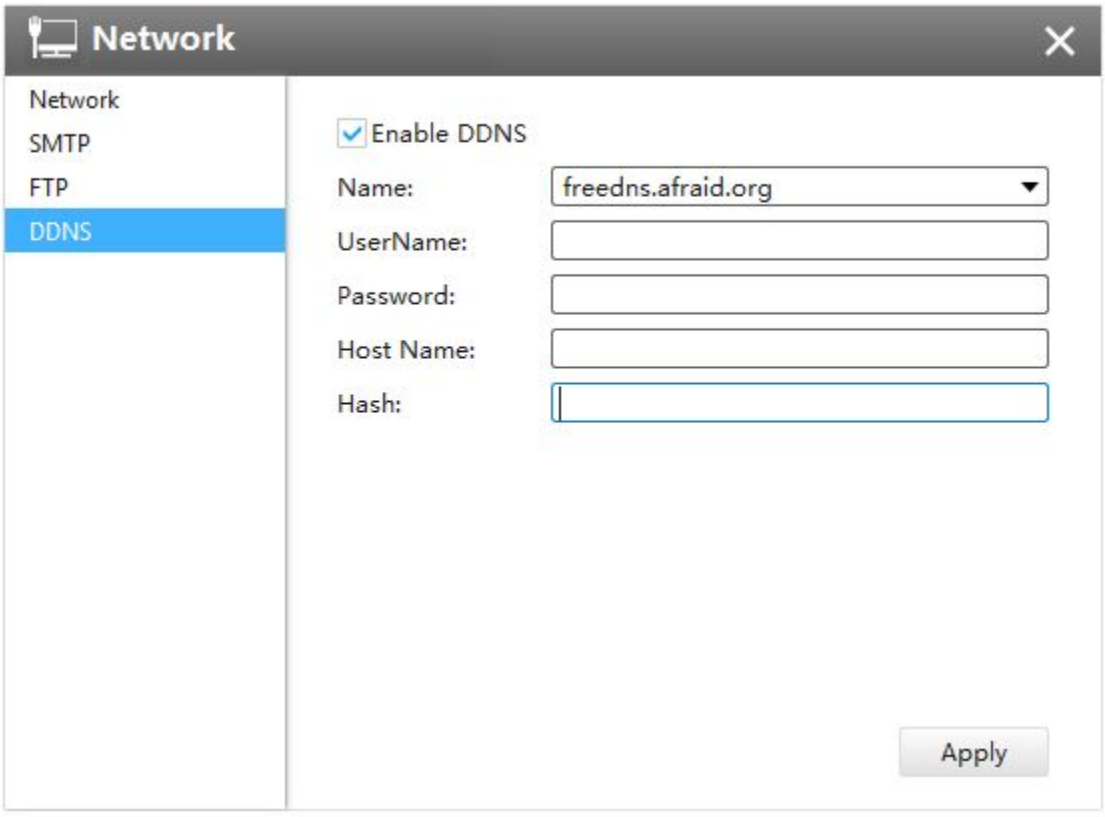


Figure 3-2-35 DDNS

The meanings of the items on FTP page can be referred to the table below:

Table 3-2-9 DDNS

Parameters	Function Introduction
Enable DDNS	Check the checkbox to enable DDNS service

Name	Support DDNS from now dyndns.org, freedns.afraid.org, www.no-ip.com, www.zoneedit.com, PlanetDDNS.com
User name	Account name from the DDNS provider
Password	Account password
Host name	DDNS name enabled in the account
Hash	Hash code from the provider

User

You can add, edit and delete the Operator or View account while the Admin only allows the Password to change. When you selected the added account, the background color of the account will turn to gray and the Authority will be selected the relevant option.

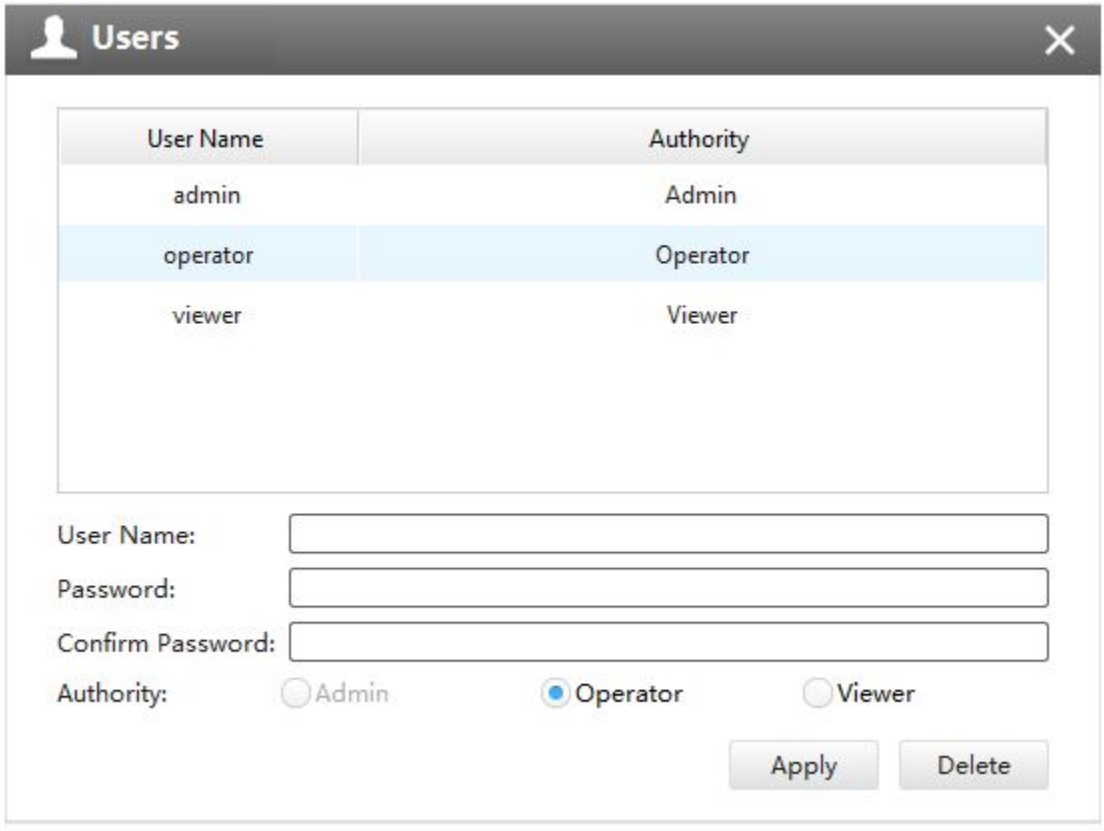


Figure 3-2-36 User

System

The System page is as follows:



Figure 3-2-37 System

The meanings of the items on FTP page can be referred to the table below:

Table 3-2-10 System

Parameters	Function Introduction
Device Name	The device name can be customized. It will be seen in file names of video files
Product Model	The product model of the camera
Hardware Version	The hardware version of the camera
Software Version	The software version of the camera can be upgraded
MAC Address	Media Access Control address
Reboot	Click the button to reboot the device
Restore	Click the button to reset the settings to the default one.
Upgrade	Click the button to import the firmware file from PC, and click the Upgrade button to upgrade.

3.3 User

You can add, edit and delete the Operator or View account while the Admin only allows the Password to change. The User page is as follows:

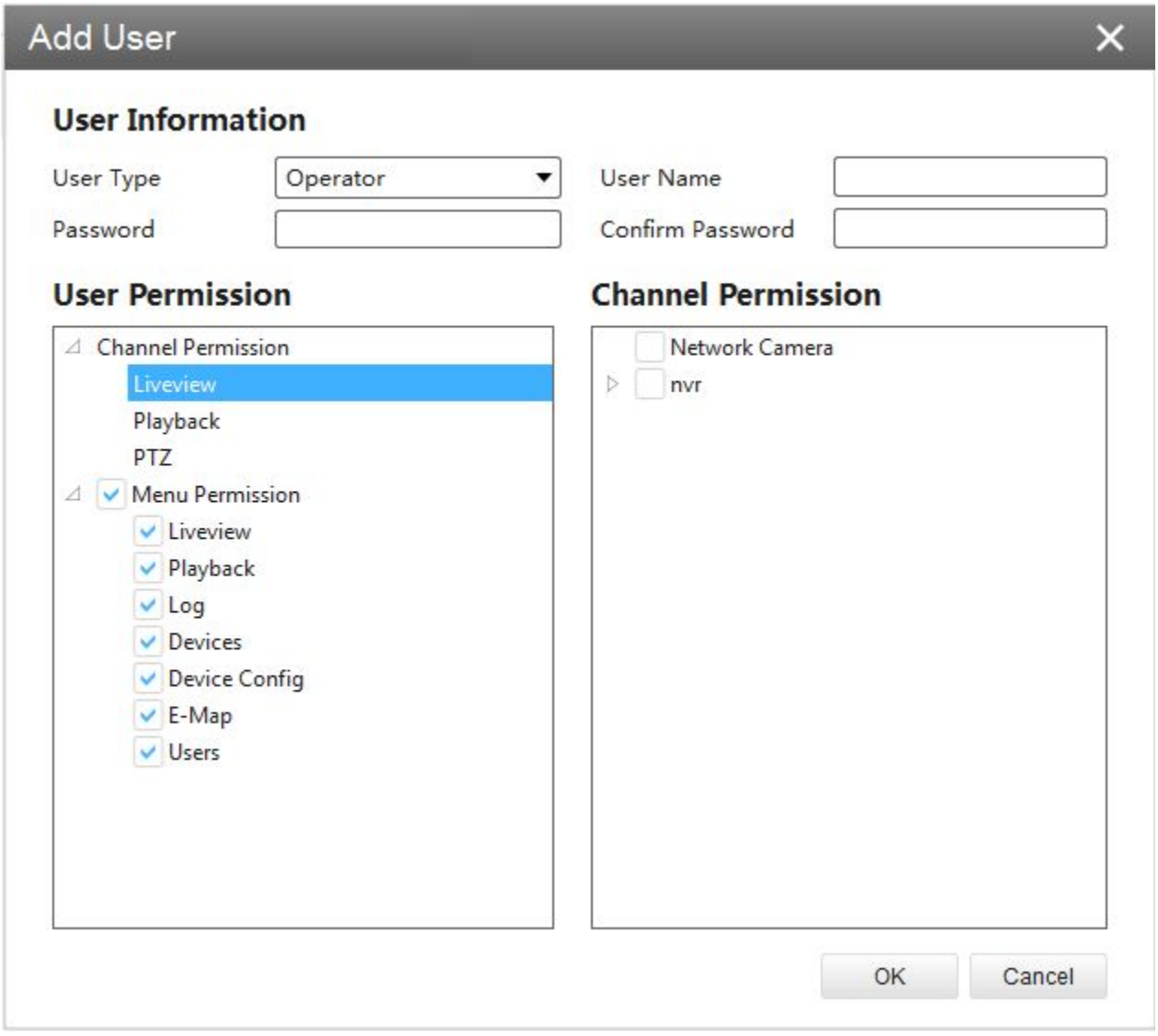


Figure 3-3-1 User

Chapter 4 View

- Live View
- Playback

4.1 Live View

Live View page provides user with PTZ, Image configuration, View Settings, Carousel functions. Enter the Live View page, the interface is as follows:

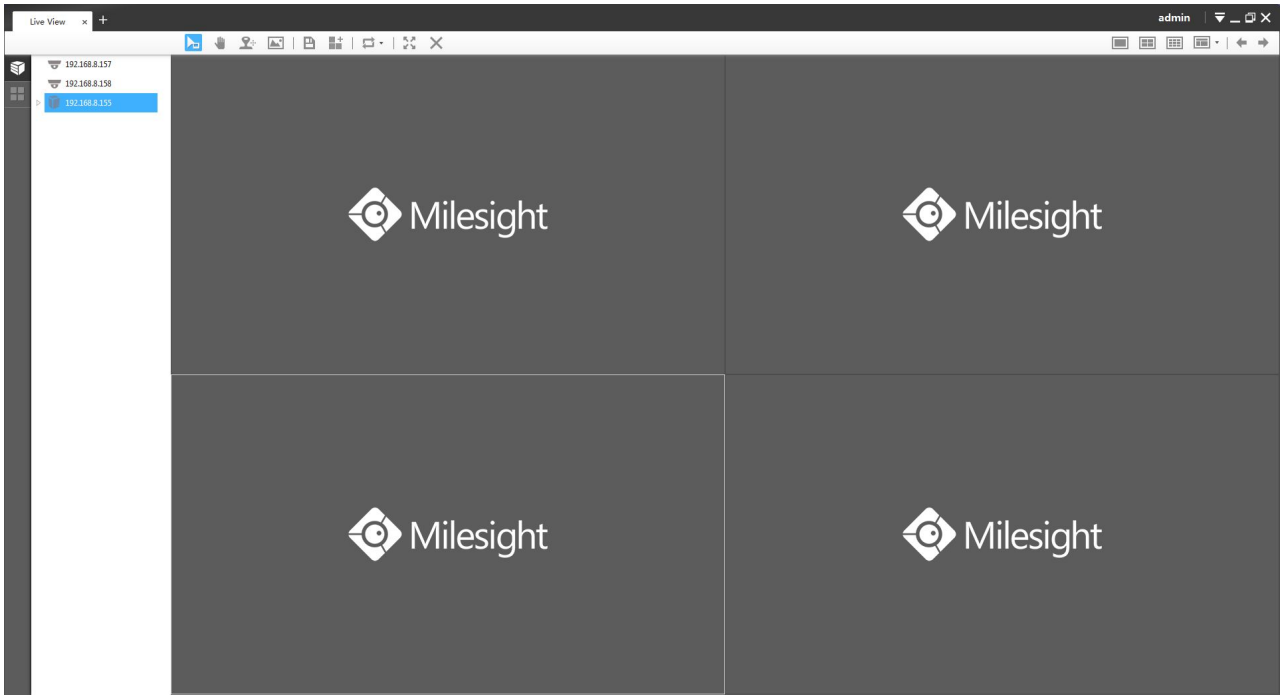


Figure 4-1-1 Live View

After adding the device, you can drag it or double click it to display the view windows. There are 1/4/8/9/13/32/64 several options of view windows.

The toolbar on this page is as follows:



Figure 4-1-2 Toolbar

The meanings of the items can be referred to the table below:

Table 4-1-1 Toolbar

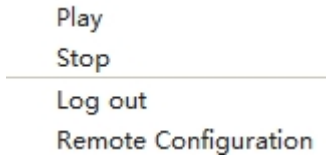
Item	Function Introduction
	Cursor
	Pan, click the button and you can electronic zoom the live view
	PTZ
	Image
	Save View, save the current view to replace the old view

	New View, create a new view
	Carouse
	Fullscreen
	Stop All, stop all live view
	1/4/9 Windows Button
	Click the button to get more options of display windows
	[Pre Page]/[Next Page] button

4.1.1 How to Connect to Device

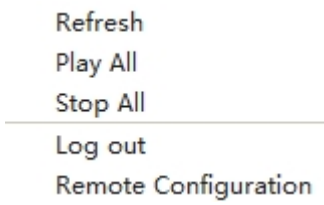
Device

Right-click on Camera:



Play	Play the live view
Stop	Stop the live view
Log in/ out	Log in/ out of the CMS
Remote Configuration	Configure the camera

Right-click on NVR:



Refresh	Refresh the status of the NVR
Play All	Play the live view
Stop All	Stop the live view
Log in/ out	Log in/ out of the CMS
Remote Configuration	Configure the NVR

There are steps to display device under the Device mode:

Step1: Make sure the device is available;

Step2: Select one window to display;

Step3: Right click a camera and choose [Play] to display the camera. When you choose a NVR, there is [Play All] to display all cameras linked with the NVR. You also can double click the device or drag it into the selected window.

Table 4-1-2 Icon meaning of the device

Item	Function Introduction
/	Camera/NVR, which is connected
/	Camera/NVR, which is not connected
/	Camera/NVR, which logs out
	List Button, click the button to list all cameras linked with the NVR

View

Right-click on View:

Play View	Play View	Play the View
Delete View	Delete View	Delete the View
Rename View	Rename View	Rename the View
Save	Save	Save the current view to replace the old
Save as...	Save as	Save the current view into a new View

View is a more convenient strategy to play live view. You can set several View and save a lot of time to play at the next time. The steps are as follows:

Step1: Click the New View button to create a new View;

Step2: Display the cameras according to Device Part;

Step3: Click the Save View button to save the live view. You can right-click the View and choose the [Play View].

Note

- Double clicking a NVR will lead to display all the cameras linked with the NVR;
- Once a window is selected, it's border color will turn into white;

4.1.2 Settings of Display the Live View

The toolbar of the Live View window:

Start/Stop recording

Snapshot

Full screen

Stop the live view

Click the Menu button →[Configuration] to set the path to save the Record and Snapshot files, which will list by the date for the default.

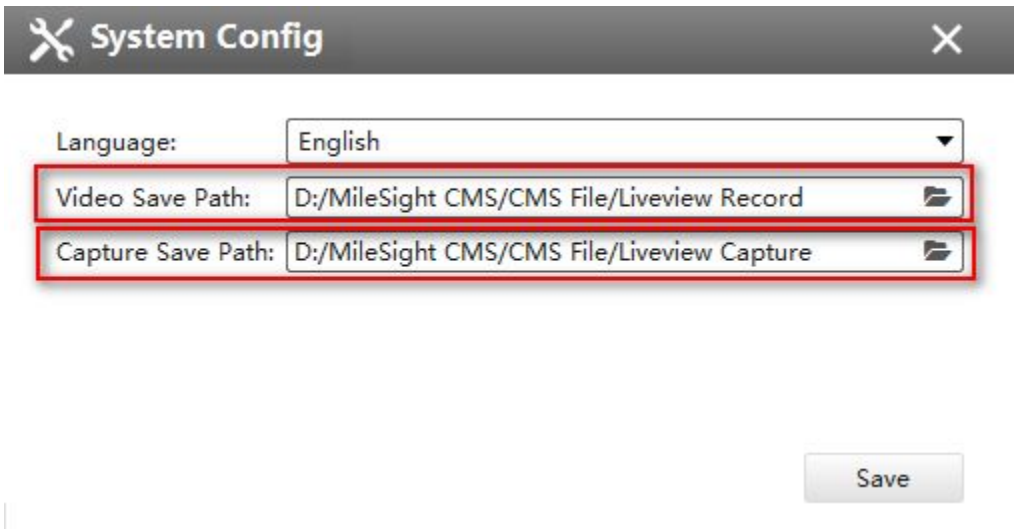
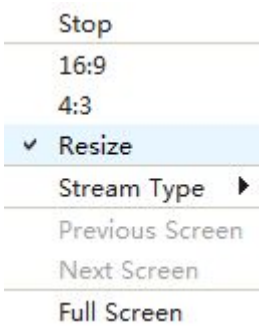


Figure 4-1-2 System Config

Right-click the live view window, the interface is as follows:



Stop	Stop playing the live view
16:9	Ratio of long and width is 16:9
4:3	Ratio of long and width is 4:3
Resize	Suit the size to the windows
Stream Type	Three stream types available
Previous Screen	Turn to the previous screen
Next Screen	Turn to the next screen
Full Screen	Display windows in full screen

PTZ

Click the PTZ button , there will be a same button in the bottom-left corner of the selected windows. Click the button in windows, the PTZ function interface will appear. The interface is as

follows:

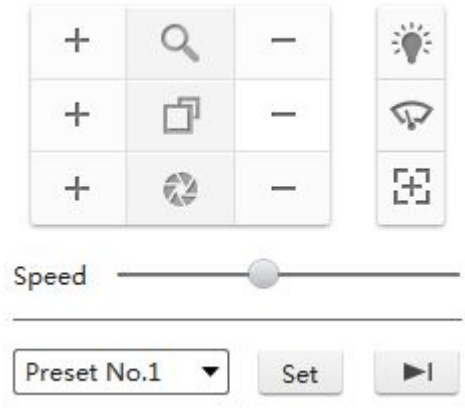


Figure 4-1-3 PTZ

The meanings of the items can be referred to the table below:

Table 4-1-3 PTZ

Item	Function Introduction
	Zoom
	Focus
	Iris
/	More or less level to set the selected PTZ function
	Light On/OFF
	Brush On/Off
	Auto Focus
Speed	The level of Speed, you can draw the progress bar to set the speed of PTZ action
Preset No.1	Preset directions of Speed Dome Camera
Set	

Image

Click the Image button , there will be a same button in the bottom-left corner of the selected

windows. Click the button in windows, the Image function interface will appear. The interface is as follows:

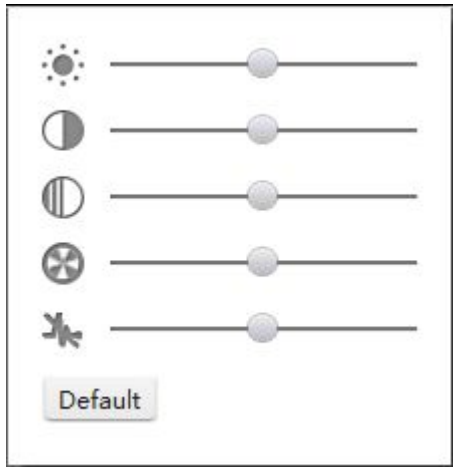
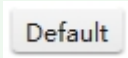


Figure 4-1-4 Image

The meanings of the items can be referred to the table below:

Table 4-1-4 Image

Item	Function Introduction
	Brightness
	Contrast
	Saturation
	Sharpness
	Noise Reduction
	Restore the image parameters to the default setting

4.2 Playback

CMS supports playback according to recorded time. Play recorded files in specified time period, the Playback page is as follows:

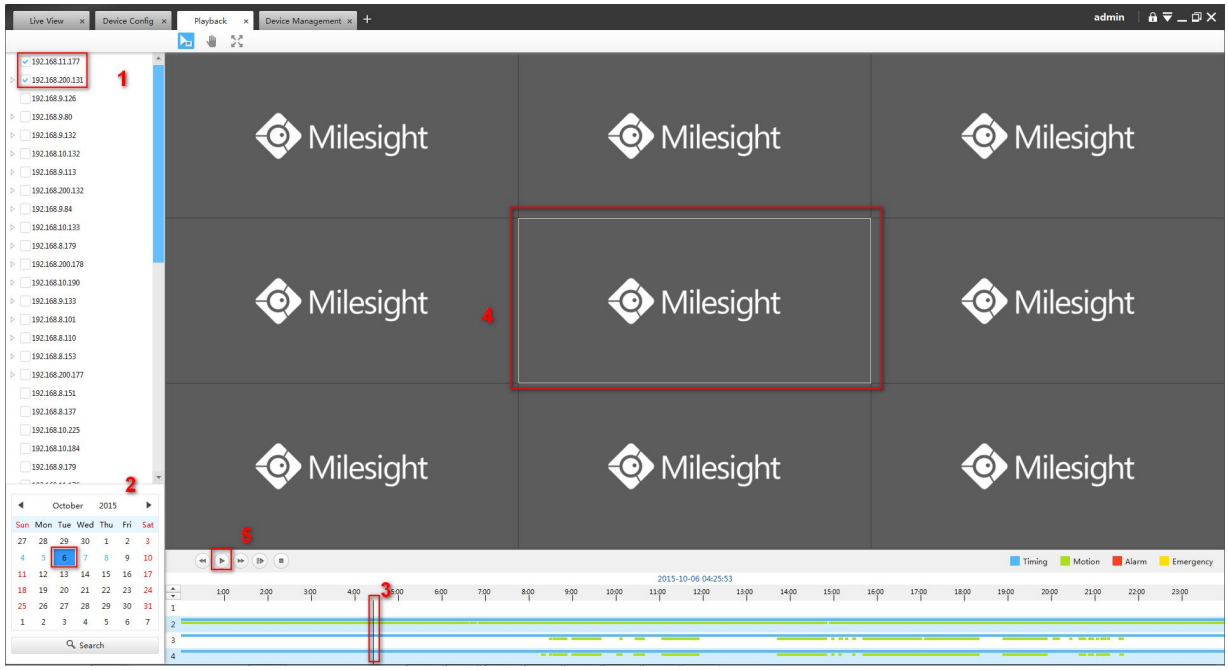


Figure 4-2-1 Playback

You can refer to the steps as follows to playback the recorded files:

Step1: Select the desired devices by checking the checkbox of the devices; the NVR has List button ▷ to list the added cameras;

Step2: Choose the date whose typeface is blue(blue means there is record files, black means no files and red means weekend), the background will turn to blue once the date is selected; then click the Search button to show

Step3: Check the time line to select the time to playback; there are four colors meaning different record files; click the  button to get the previous/next page of channels;

Step4: Select the windows, window border will turn into white once the window is selected; the first window is default window;

Step5: Click the Play button to playback; Speed Down, Speed Up and Single Step are available;

Right-click the window during playback, it will pop up the interface as follows:



Stop	Stop playing the playback window
Stop All	Stop all the playback windows
16:9	Ratio of long and width is 16:9
4:3	Ratio of long and width is 4:3
Resize	Suit the size to the windows
Capture	Capture a snapshot
Full Screen	playback window in full screen

Chapter 5 Tools

- E-Map
- Log

5.1 E-Map

In this part, you can add an electronic map and draw the different cameras to the map. The display of map graphics in the Map window and the size of the map can be controlled, and the map can be moved in the window to show the area you want to view. The E-Map page is as follows:

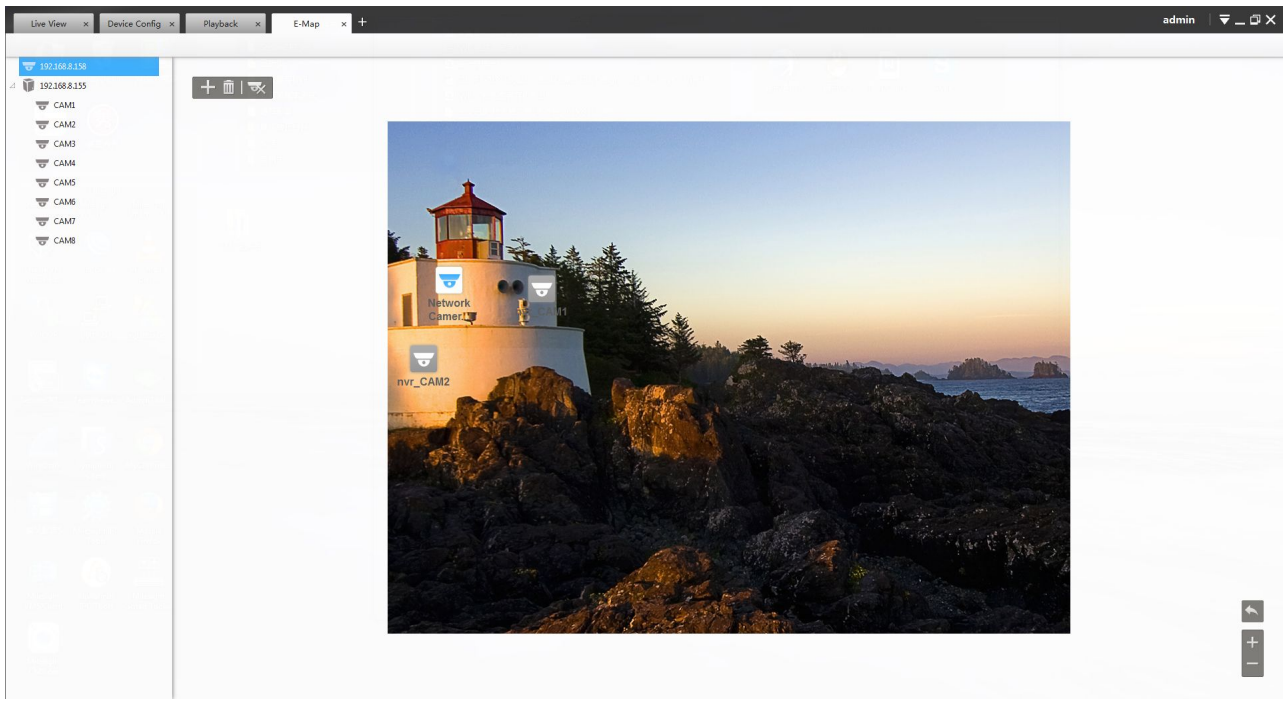


Figure 5-1-1 E-Map

Step1: Click the Add button to add an electronic map

Step2: Draw the different cameras to the map

Step3: Use the zoom in / zoom out buttons or with the mouse wheel to adjust the map size, click the Resize button to restore the size of the map.

Step4: Right-click the hot spot, select the [Play] to play the live view of the hot spot.

Step5: Right-click the hot spot, select the [Delete] or click the Hot Delete button to delete the hot spot;

Step6: Click Map Delete button to delete the electronic map.

5.2 Log

The logs contain the information about the time and IP that has accessed the camera through web. The Log page is as follows:

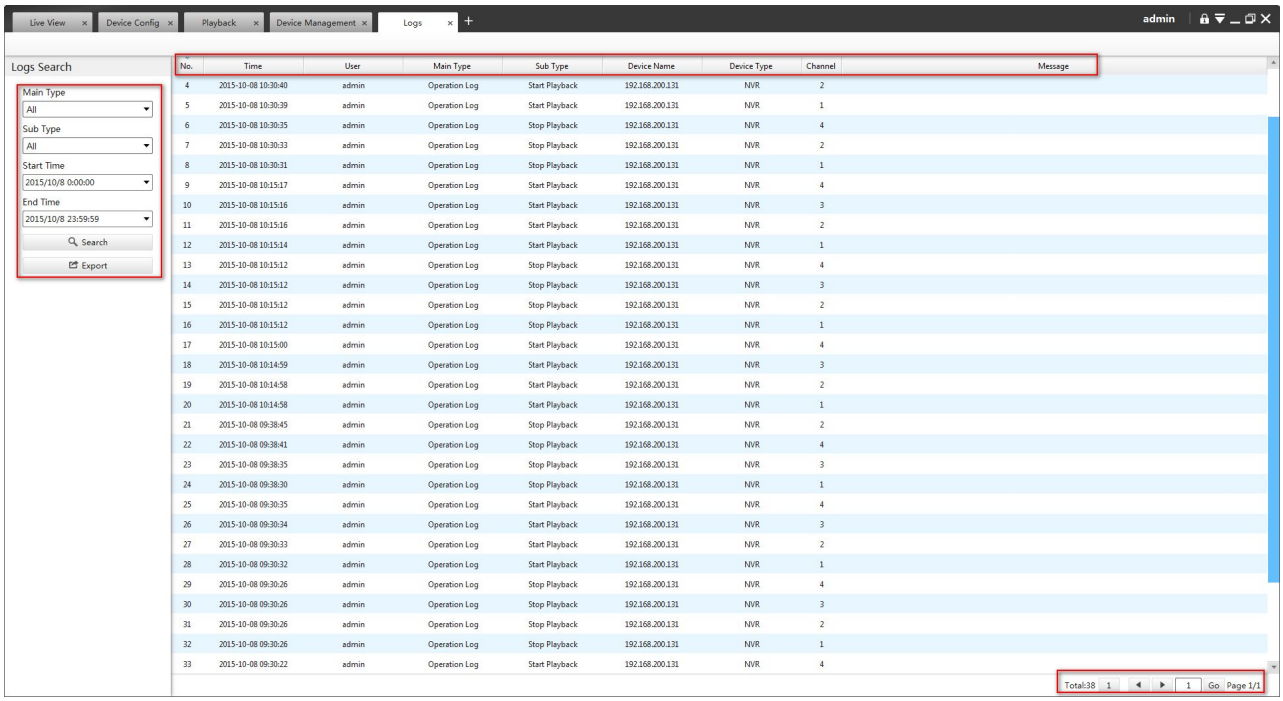


Figure 5-2-1 Log

The meanings of the item can be referred to the table below:

Table 5-2-1 Log

Parameters	Function Introduction
Main Type	There are three main log types: [**All**], [**System Log**], [**Operation Log**]
Sub Type	On the premise of main type has been selected, select the sub type to narrow the range of logs
Start Time	The time log starts
End Time	The time log ends
Search	Click the button to search the matched logs
Export	Export the log file

You can click the bar to list the log by items such as Log ID, Time, User, Main Type, Sub Type, Device Name, Device Type,etc. You can also select the page to show in the right-bottom.

Chapter 6 Service

- **Service**

6.1 Service

Milesight Technology Co., Ltd provides customers with timely and comprehensive technical support services. End-users can contact your local dealer to obtain technical support. Distributors and resellers can contact directly with Milesight for technical support.

Technical Support Mailbox: support@milesight.com
Web: http://www.milesight.com
Online Problem Submission System: http://www.milesight.com/service/feedback.asp
Address: No.23Wanghai Road,2nd Software Park, Xiamen,China
Zip Code: 361006
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